A8620-3

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703) 827-5260

## STATISTICS

No. 28-90 February 28, 1990

# U.S. FOREIGN TRADE -- DECEMBER 1989

### U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY
(Millions of U.S. Dollars)

| | Dec. 1989 | Nov. 1989 | % Change Nov.-Dec. | Year to Date '89 | Year to Date '88 | % Change '88-'89 |
|---|---|---|---|---|---|---|
| **METAL CUTTING MACHINE TOOLS** | | | | | | |
| Imports | $155.1 | $129.5 | 19.8% | $1,859.1 | $1,543.3 | 20.5% |
| Exports | $ 53.1 | $ 32.0 | 65.9% | $ 488.8 | $ 443.7 | 10.2% |
| Balance | ($102.0) | ($ 97.5) | 4.6% | ($1,370.3) | ($1,099.6) | 24.6% |
| **METAL FORMING MACHINE TOOLS** | | | | | | |
| Imports | $ 44.0 | $ 41.4 | 6.3% | $ 547.5 | $ 515.4 | 6.2% |
| Exports | $ 41.4 | $ 36.3 | 14.0% | $ 461.0 | $ 324.6 | 42.0% |
| Balance | ($ 2.6) | ($ 5.1) | (49.0%) | ($ 86.5) | ($ 190.8) | (54.7%) |
| **MACHINE TOOL TOTAL** | | | | | | |
| Imports | $199.0 | $171.0 | 16.4% | $2,406.6 | $2,058.7 | 16.9% |
| Exports | $ 94.5 | $ 68.3 | 38.4% | $ 949.8 | $ 768.3 | 23.6% |
| Balance | ($104.5) | ($102.7) | 1.8% | ($1,456.8 | ($1,290.4) | 12.9% |
| **NUMERICALLY CONTROLLED MACHINE TOOLS** | | | | | | |
| Imports | $111.4 | $ 95.3 | 16.9% | $1,301.0 | NA | NA |
| Exports | $ 22.7 | $ 15.6 | 45.5% | $ 248.2 | NA | NA |
| Balance | ($ 88.7) | ($ 79.7) | 11.3% | ($1,052.8) | NA | NA |
| **OTHER MANUFACTURING TECHNOLOGY** | | | | | | |
| Imports | $111.3 | $119.3 | (6.7%) | $1,414.6 | NA | NA |
| Exports | $ 95.8 | $ 90.3 | 6.1% | $1,184.0 | NA | NA |
| Balance | ($ 15.5) | ($ 29.0) | (46.6%) | ($ 230.6) | NA | NA |

Note: Numerically controlled machine tools includes both metal cutting and metal forming machines, and is included in the respective totals. NA = not available; ( ) denotes negative; individual items may not add up to totals due to rounding.

During December 1989, exports of machine tools jumped 38% compared with November to $94.5 million, the highest monthly total since June 1981. Total exports for 1989 were $949.8 million, the second highest total ever (behind 1981's $1,028 million) and 24% higher than 1988. Machine tool imports rose 16% in December compared with November to $199.0 million, for a 1989 total of $2.4 billion, the highest total ever and 17% higher than 1988. Exports of NC machines in December rose 46% to $22.7 million, while imports of NC machines rose 17% to $111.4 million. The overall machine tool trade deficit in 1989 was $1.46 billion, 13% higher than 1988.

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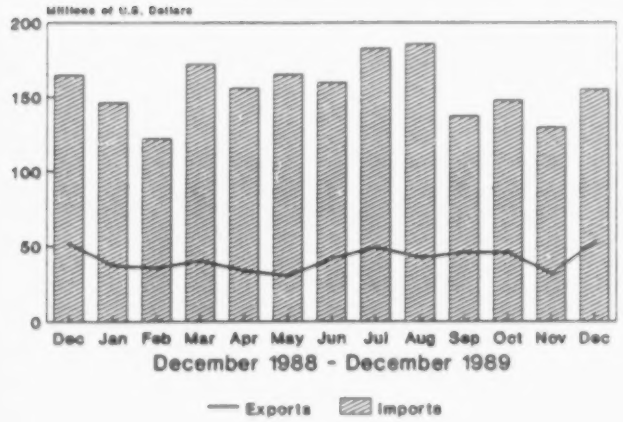
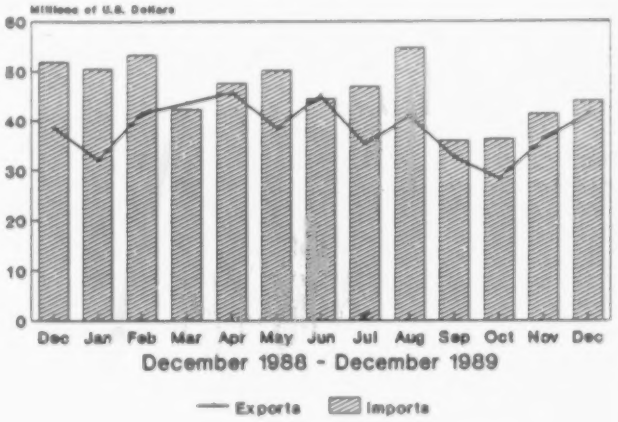
## U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING




METAL FORMING




### METAL CUTTING

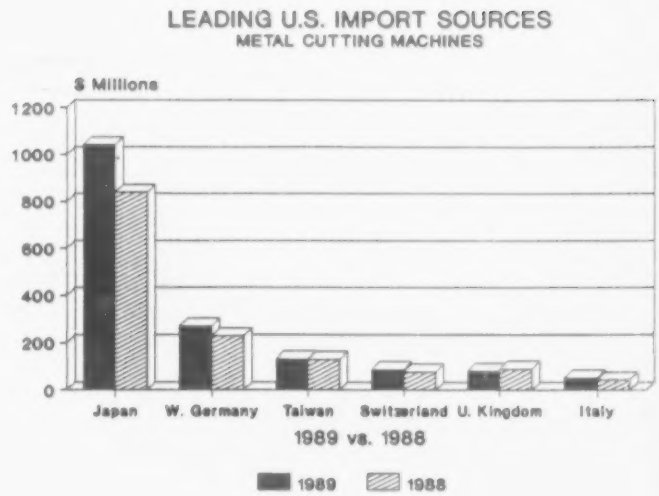
Exports

Exports of metal cutting machine tools rose 66% in December compared with November to $53.1 million, the highest monthly total since August 1981. The top metal cutting export market in December was the Soviet Union, with exports of seven gear cutting machines valued at $9.0 million. Exports of gear cutting machines were $15.5 million in December, a record monthly high even if the shipment to the Soviet Union is not included. Other major U.S. metal cutting export markets in December included the United Kingdom ($7.4 million), Canada ($6.9 million), and Mexico ($2.9 million).

For all of 1989, U.S. metal cutting machine tool exports reached $488.8 million, a 10% increase over 1988. The largest U.S. export market for metal cutting machines was Canada at $68.4 million, 11% higher than 1988. Mexico was next at $60.2 million, 32% lower than 1988, followed by the United Kingdom ($60.2 million, up 86%), South Korea ($36.0 million, down 25%), West Germany ($31.3 million, up 76%) and Japan ($30.7 million, up 2%). U.S. metal cutting machine tool exports to the Soviet Union in 1989 were $20.9 million, making the U.S.S.R. the eighth largest export market. By comparison, from 1982-1988 combined U.S. metal cutting exports to the U.S.S.R. were $13.9 million. Other high growth export markets in 1989 were Indonesia ($4.2 million, up 896% over 1988), Australia ($11.2 million, up 210%), Thailand ($2.6 million, up 127%), the Netherlands ($4.6 million, up 60%) and France ($11.8 million, up 55%).

The largest category of U.S. metal cutting exports in 1989 was grinding machines, at $128.4 million. Mexico was the largest U.S. export market in this category at $15.6 million, followed by West Germany ($15.6 million), Canada ($14.8 million), and the United Kingdom ($14.4 million). Exports of gear cutting machines in 1989 were $53.9 million, including $17.2 million to the Soviet Union, $5.9 million to India and $5.8 million to Italy. Machining center exports were $45.7 million -- the largest markets were Canada ($13.7 million), Korea ($6.1 million) and China ($4.3 million). Exports of used or rebuilt machines in 1989 were $53.9 million, and included $12.6 million to Mexico, $6.5 million to Canada and $5.4 million to China. The United Kingdom was by far the largest export market for station type machines at $19.4 million, followed by Mexico at $5.8 million. Total exports of station type machines in 1989 were $37.1 million.

# METAL CUTTING MACHINE TOOL FOREIGN TRADE




## Imports

Metal cutting machine tool imports in December rose 20% compared with November to $155.1 million. Imports from Japan rebounded to $76.2 million from $64.6 million in November, while imports from West Germany ($31.9 million) were more than double November's total. Imports of NC vertical lathes in December were $9.2 million, easily the highest monthly total of 1989, while imports of boring machines ($2.4 million) were the lowest of any month in 1989.

For all of 1989, U.S. metal cutting machine tool imports were a record $1.86 billion, 21% higher than 1988 and 12% higher than the previous record of $1.65 billion set in 1986. In 1989, Japan supplied $1.0 billion, or 56% of the total, while West Germany supplied $271.2 million, or 15%. Japan's and West Germany's totals were 24% and 19% higher, respectively, than 1988 levels. Other large import sources were Taiwan ($132 million, up 3% over 1988), Switzerland ($87.0 million, up 14%), the United Kingdom ($80.7 million, down 9%) and Italy ($52.1 million, up 21%). Imports from Korea in 1989 were $27.7 million, 92% higher than 1988, and imports from France were $22.0 million, 77% higher than 1988.

During 1989, the largest category of metal cutting machine tool imports was machining centers, at $410.5 million. Of the total, Japan supplied 73%, or $299.1 million, while West Germany and the United Kingdom supplied $48.6 million and $19.8 million, respectively. Total U.S. imports of NC horizontal lathes in 1989 were $377.9 million, of which Japan supplied $330.5 million, or 87%. Of the total 1989 imports of grinding machines -- $273.6 million -- Japan, West Germany and Switzerland supplied $119.3 million, $65.5 million and $25.2 million, respectively. U.S. imports of milling machines totalled $112.5 million in 1989, including $32.4 million from Japan, $18.7 million from Taiwan, $16.8 million from West Germany and $12.5 million from Spain. Finally, U.S. imports of non-NC lathes were $90.3 million in 1989, and included $14.7 million from Japan, $12.6 million from Korea, $11.8 million from Taiwan and $10.2 million from the United Kingdom.

## METAL FORMING

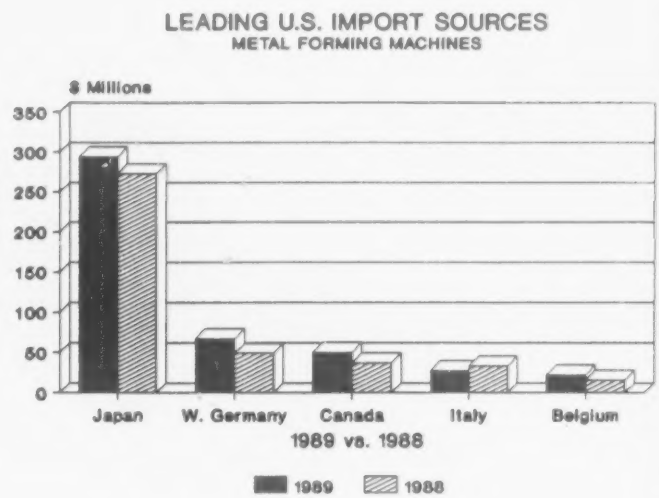
### Exports

U.S. exports of metal forming machine tools rose 14% to $41.4 million from November to December. The largest metal forming export market in December was Mexico, at $7.8 million, up from $4.1 million in November, followed by Japan ($4.9 million) and West Germany ($3.9 million). Exports of presses in December were $16.8 million, almost double the previous 1989 monthly high set in October. Exports of punching and shearing machines rose 37% in December over November to $5.1 million.

U.S. metal forming machine tool exports for all of 1989 totalled $461.0 million, the highest annual total ever and 42% higher than 1988. The largest U.S. market for metal forming machines in 1989 was Korea at $62.6 million, 150% higher than 1988. Exports to Korea included punching and shearing machines ($6.2 million), forging machines ($6.2 million), bending and forming machines ($6.0 million), presses ($5.7 million), and other metal forming machines ($28.0 million). Metal forming exports to Japan in 1989 were $47.5 million (39% higher than 1988), and exports to Mexico were $47.0 million, 24% higher than 1988. U.S. metal forming exports to India in 1989 were $8.9 million, 280% higher than 1988, and exports to Singapore were $8.2 million, 228% higher than 1988.

Exports of presses totalled $92.4 million in 1989: the major markets were Mexico ($17.7 million), West Germany ($11.6 million), the United Kingdom ($9.6 million), and Canada ($6.3 million). The largest U.S. export market for forging machines in 1989 was Japan at $11.6 million; total forging machine exports in 1989 were $41.1 million. Japan was also the largest U.S. export market for bending and forming machines, taking $7.3 million of the $46.7 million total. Canada was next at $6.9 million, followed by Korea ($6.0 million) and Mexico ($5.2 million).

## METAL FORMING MACHINE TOOL FOREIGN TRADE



Imports

U.S. imports of metal forming machine tools rose 6% in December to $44.0 million, the third consecutive monthly increase. Imports of forging machines rose 45% over November to $11.8 million; imports of used or rebuilt metal forming machines quadrupled in December to $2.1 million.

Total metal forming imports in 1989 were $547.5 million, 6% higher than the 1988 total. Eighteen percent of U.S. metal forming imports in 1989 were NC machines. Japan supplied $294.5 million, up 8% over 1988 and equal to 54% of the total. Imports from West Germany ($67.5 million) and Canada ($50.6 million) were 37% and 36% higher, respectively, than in 1988.

U.S. imports of presses in 1989 were $142.8 million, of which Japan, Canada and West Germany supplied $87.3 million, $18.9 million and $11.6 million, respectively. Imports of bending and forming machines totalled $94.4 million in 1989; once again, Japan, Canada and West Germany were the top three suppliers, with 72% of the import market between them. Japan supplied 73%, or $68.2 million, of the $93.1 million in U.S. forging machine imports in 1989, and 39% of the punching and shearing import total of $75.3 million.

## OTHER MANUFACTURING TECHNOLOGY

Exports

U.S. exports of other manufacturing technology rose 6% in December to $95.8 million. Exports of machine tool parts and accessories fell 4% to $56.6 million; exports of industrial robots and parts more than doubled to $8.5 million. Injection molding machine exports were $6.8 million in December, up 21% over November, while exports of extruders for processing thermoplastics, rubber or other thermosetting materials doubled to $3.2 million.

For all of 1989, U.S. exports of other manufacturing technology totalled $1.2 billion; $714.3 million was machine tool parts and accessories. The largest export markets for parts and accessories were Canada, $115.7 million; the United Kingdom, $85.3 million; Japan, $68.1 million; West Germany, $59.3 million; and Mexico, $56.8 million. Exports of industrial robots and parts were $62.4 million in 1989. The largest robot markets were Canada, West Germany and the United Kingdom at $13.5 million, $10.6 million and $7.1 million, respectively. Exports of numerical controls were $40.8 million in 1989, including $14.5 million to the United Kingdom, $5.2 million to West Germany and $4.1 million to France.

Imports

U.S. imports of other manufacturing technology fell 7% in December compared with November to $111.3 million. Imports of machine tool parts and accessories fell 17% to $33.8 million in December; imports of industrial robots and parts fell 21% to $19.1 million. Imports in December of injection molding machines fell 7% to $30.5 million, including $5.6 million from Canada, while imports of extruders rose more than 80% to $9.8 million in December.

Total U.S. imports of other manufacturing technology in 1989 were $1.4 billion. Imports of machine tool parts and accessories were $579.4 million, 51% of which came from either Japan or West Germany, while imports of industrial robots and robot parts were $228.6 million, 71% of which was supplied by Japan. Imports of injection molding machines were $358.6 million in 1989, of which 48% was Japanese, 16% was West German and 14% was imported from Canada. Japan supplied 96% of the U.S. imports of numerical controls in 1989, which totalled $52.9 million.

# 1989 EXPORTS

## METAL CUTTING

| COUNTRY | DECEMBER | NOVEMBER | % CHANGE | DEC YTD '89 | DEC YTD '88 | % CHANGE |
|---|---|---|---|---|---|---|
| Canada | $6,926,829 | $6,290,851 | 10.11% | $68,368,987 | $61,523,000 | 11.13% |
| Mexico | 2,949,027 | 2,274,362 | 29.66 | 60,249,643 | 88,980,000 | -32.29 |
| U.K. | 7,414,920 | 3,916,637 | 89.32 | 60,150,561 | 32,360,000 | 85.88 |
| Korea | 774,940 | 618,187 | 25.36 | 35,951,389 | 48,161,000 | -25.35 |
| West Germany | 2,860,936 | 2,645,111 | 8.16 | 31,271,252 | 17,777,000 | 75.91 |
| Japan | 2,334,070 | 1,927,877 | 21.07 | 30,662,254 | 29,976,000 | 2.29 |
| China | 4,018,965 | 1,080,727 | 271.88 | 29,050,641 | 27,105,000 | 7.18 |
| USSR | 8,996,603 | 2,952,491 | 204.71 | 20,924,509 | 1,217,000 | 1,619.35 |
| Italy | 1,406,343 | 1,589,266 | -11.51 | 14,764,203 | 13,135,000 | 12.40 |
| Brazil | 1,520,666 | 1,162,446 | 30.82 | 11,815,123 | 10,742,000 | 9.99 |
| France | 766,576 | 510,098 | 50.28 | 11,814,394 | 7,602,000 | 55.41 |
| India | 674,996 | 299,945 | 125.04 | 11,604,131 | 8,339,000 | 39.15 |
| Australia | 1,553,818 | 967,813 | 60.55 | 11,154,135 | 3,596,000 | 210.18 |
| Taiwan | 799,808 | 1,116,328 | -28.35 | 9,635,915 | 13,024,000 | -26.01 |
| Singapore | 265,422 | 438,764 | -39.51 | 7,885,332 | 6,776,000 | 16.37 |
| Belgium | 777,099 | 559,273 | 38.95 | 7,625,552 | 6,063,000 | 25.77 |
| Venezuela | 43,963 | 78,259 | -43.82 | 5,531,090 | 15,169,000 | -63.54 |
| Netherlands | 728,701 | 309,539 | 135.41 | 4,598,127 | 2,879,000 | 59.71 |
| Indonesia | 0 | 25,047 | -100.00 | 4,154,910 | 417,000 | 896.38 |
| Switzerland | 492,134 | 174,564 | 181.92 | 4,005,926 | 2,947,000 | 35.93 |
| Spain | 48,706 | 110,032 | -55.73 | 3,156,013 | 2,076,000 | 52.02 |
| Thailand | 438,873 | 52,968 | 728.56 | 2,635,100 | 1,159,000 | 127.36 |
| Austria | 20,984 | 0 | NA | 1,274,483 | 821,000 | 55.24 |
| Malaysia | 9,805 | 0 | NA | 999,925 | 525,000 | 90.46 |

## METAL FORMING

| COUNTRY | DECEMBER | NOVEMBER | % CHANGE | DEC YTD '89 | DEC YTD '88 | % CHANGE |
|---|---|---|---|---|---|---|
| Korea | $2,446,473 | $7,809,649 | -68.67% | $62,609,518 | $25,005,000 | 150.39% |
| Japan | 4,911,252 | 2,736,337 | 79.48 | 47,479,555 | 34,151,000 | 39.03 |
| Mexico | 7,834,307 | 4,124,198 | 89.96 | 47,026,289 | 37,856,000 | 24.22 |
| Canada | 2,264,788 | 3,572,162 | -36.60 | 42,395,988 | 47,197,000 | -10.17 |
| U.K. | 1,002,637 | 2,817,211 | -64.41 | 39,703,866 | 25,359,000 | 56.57 |
| West Germany | 3,897,759 | 4,130,727 | -5.64 | 30,224,894 | 22,630,000 | 33.56 |
| Taiwan | 3,830,518 | 1,449,196 | 164.32 | 22,572,731 | 12,600,000 | 79.15 |
| China | 736,528 | 870,438 | -15.38 | 11,699,617 | 10,274,000 | 13.88 |
| France | 2,391,986 | 796,134 | 200.45 | 10,635,544 | 9,229,000 | 15.24 |
| Italy | 2,232,131 | 405,793 | 450.07 | 9,856,330 | 8,135,000 | 21.16 |
| Brazil | 1,562,179 | 1,265,480 | 23.45 | 9,365,132 | 10,270,000 | -8.81 |
| India | 84,641 | 237,252 | -64.32 | 8,918,760 | 2,346,000 | 280.17 |
| Venezuela | 13,725 | 578,531 | -97.63 | 8,427,204 | 10,002,000 | -15.74 |
| Singapore | 1,079,187 | 51,840 | 1,981.77 | 8,193,420 | 2,501,000 | 227.61 |
| Australia | 272,975 | 530,485 | -48.54 | 7,093,745 | 10,697,000 | -33.68 |
| Netherlands | 531,392 | 131,321 | 304.65 | 6,912,616 | 4,570,000 | 51.26 |
| Belgium | 1,999,604 | 398,547 | 401.72 | 4,787,224 | 1,535,000 | 211.87 |
| Spain | 212,914 | 283,656 | -24.94 | 4,264,711 | 5,154,000 | -17.25 |
| Thailand | 213,913 | 226,346 | -5.49 | 3,896,330 | 4,547,000 | -14.31 |
| Malaysia | 82,449 | 42,950 | 91.97 | 1,622,927 | 3,054,000 | -46.86 |
| Switzerland | 147,086 | 61,823 | 137.91 | 1,545,762 | 1,732,000 | -10.75 |
| USSR | 0 | 0 | NA | 976,510 | 116,000 | 741.82 |
| Austria | 0 | 133,699 | -100.00 | 815,189 | 499,000 | 63.36 |
| Indonesia | 0 | 66,585 | -100.00 | 234,046 | 511,000 | -54.20 |

## TOTAL METAL CUTTING AND METAL FORMING

| COUNTRY | DECEMBER | NOVEMBER | % CHANGE | DEC YTD '89 | DEC YTD '88 | % CHANGE |
|---|---|---|---|---|---|---|
| Canada | $ 9,191,617 | $9,863,013 | -6.81% | $110,764,975 | $108,720,000 | 1.88% |
| Mexico | 10,783,334 | 6,398,560 | 68.53 | 107,275,932 | 126,836,000 | -15.42 |
| U.K. | 8,417,557 | 6,733,848 | 25.00 | 99,854,427 | 57,719,000 | 73.00 |
| Korea | 3,221,413 | 8,427,836 | -61.78 | 98,560,907 | 73,166,000 | 34.71 |
| Japan | 7,245,322 | 4,664,214 | 55.34 | 78,141,809 | 64,127,000 | 21.85 |
| West Germany | 6,758,695 | 6,775,838 | -0.25 | 61,496,146 | 40,407,000 | 52.19 |
| China | 4,755,493 | 1,951,165 | 143.73 | 40,750,258 | 37,379,000 | 9.02 |
| Taiwan | 4,630,326 | 2,565,524 | 80.48 | 32,208,646 | 25,624,000 | 25.70 |
| Italy | 3,638,474 | 1,995,059 | 82.37 | 24,620,533 | 21,270,000 | 15.75 |
| France | 3,158,562 | 1,306,232 | 141.81 | 22,449,938 | 16,831,000 | 33.38 |
| USSR | 8,996,603 | 2,952,491 | 204.71 | 21,901,019 | 1,333,000 | 1,542.99 |
| Brazil | 3,082,845 | 2,427,926 | 26.97 | 21,180,255 | 21,012,000 | 0.80 |
| India | 759,637 | 537,197 | 41.41 | 20,522,891 | 10,685,000 | 92.07 |
| Australia | 1,826,793 | 1,498,298 | 21.92 | 18,247,880 | 14,293,000 | 27.67 |
| Singapore | 1,344,609 | 490,604 | 174.07 | 16,078,752 | 9,277,000 | 73.32 |
| Venezuela | 57,688 | 656,790 | -91.22 | 13,958,294 | 25,171,000 | -44.55 |
| Belgium | 2,776,703 | 957,820 | 189.90 | 12,412,776 | 7,598,000 | 63.37 |
| Netherlands | 1,260,093 | 440,860 | 185.83 | 11,510,743 | 7,449,000 | 54.53 |
| Spain | 261,620 | 393,688 | -33.55 | 7,420,724 | 7,230,000 | 2.64 |
| Thailand | 652,786 | 279,314 | 133.71 | 6,531,430 | 5,706,000 | 14.47 |
| Switzerland | 639,220 | 236,387 | 170.41 | 5,551,688 | 4,679,000 | 18.65 |
| Indonesia | 0 | 91,632 | -100.00 | 4,388,956 | 928,000 | 372.95 |
| Malaysia | 92,254 | 42,950 | 114.79 | 2,622,852 | 3,579,000 | -26.72 |
| Austria | 20,984 | 133,699 | -84.31 | 2,089,672 | 1,320,000 | 58.31 |

# 1989 IMPORTS

## METAL CUTTING

| COUNTRY | DECEMBER | NOVEMBER | % CHANGE | DEC YTD '89 | DEC YTD '88 | % CHANGE |
|---|---|---|---|---|---|---|
| Japan | $76,228,360 | $64,551,805 | 18.09% | $1,042,629,826 | $839,245,000 | 24.23% |
| West Germany | 31,880,812 | 14,737,062 | 116.33 | 271,243,476 | 228,142,000 | 18.89 |
| Taiwan | 9,503,279 | 11,158,485 | -14.83 | 132,119,795 | 128,836,000 | 2.55 |
| Switzerland | 6,589,288 | 8,416,616 | -21.71 | 86,971,215 | 76,421,000 | 13.81 |
| U.K. | 8,333,372 | 9,001,185 | -7.42 | 80,672,504 | 88,690,000 | -9.04 |
| Italy | 4,557,030 | 4,337,582 | 5.06 | 52,075,831 | 43,043,000 | 20.99 |
| Korea | 2,148,718 | 3,844,149 | -44.10 | 27,662,004 | 14,409,000 | 91.98 |
| France | 2,026,446 | 1,049,408 | 93.10 | 21,967,785 | 12,443,000 | 76.55 |
| Canada | 2,359,196 | 1,354,192 | 74.21 | 20,823,626 | 19,251,000 | 8.17 |
| Spain | 1,458,837 | 2,380,152 | -38.71 | 19,536,291 | 18,099,000 | 7.94 |
| Singapore | 1,709,746 | 1,897,430 | -9.89 | 17,897,826 | 10,562,000 | 69.45 |
| Sweden | 1,539,880 | 1,219,739 | 26.25 | 13,638,837 | 10,343,000 | 31.87 |
| Brazil | 479,825 | 1,021,469 | -53.03 | 7,416,472 | 6,310,000 | 17.54 |
| Belgium | 629,175 | 350,815 | 79.35 | 5,492,144 | 2,997,000 | 83.25 |

## METAL FORMING

| COUNTRY | DECEMBER | NOVEMBER | % CHANGE | DEC YTD '89 | DEC YTD '88 | % CHANGE |
|---|---|---|---|---|---|---|
| Japan | $19,926,101 | $21,935,258 | -9.16% | $294,529,172 | $273,206,000 | 7.80% |
| West Germany | 5,434,129 | 3,811,149 | 42.59 | 67,484,629 | 49,328,000 | 36.81 |
| Canada | 4,770,478 | 3,763,602 | 26.75 | 50,648,709 | 37,356,000 | 35.58 |
| Italy | 1,969,237 | 3,098,358 | -36.44 | 27,818,260 | 33,530,000 | -17.03 |
| Belgium | 2,619,401 | 531,041 | 393.26 | 22,676,544 | 15,844,000 | 43.12 |
| Switzerland | 1,232,758 | 2,046,656 | -39.77 | 17,506,339 | 18,454,000 | -5.14 |
| U.K. | 2,747,854 | 1,548,730 | 77.43 | 16,792,646 | 17 114,000 | -1.88 |
| Sweden | 1,381,029 | 2,478,855 | -44.29 | 10,878,900 | 15,497,000 | -29.80 |
| Taiwan | 1,131,376 | 878,298 | 28.81 | 9,355,056 | 6,652,000 | 40.64 |
| Brazil | 0 | 2,170 | -100.00 | 4,520,020 | 23,282,000 | -80.59 |
| Spain | 324,784 | 353,304 | -8.07 | 3,093,689 | 4,022,000 | -23.08 |
| France | 245,236 | 68,853 | 256.17 | 1,796,023 | 4,589,000 | -60.86 |
| Singapore | 0 | 42,615 | -100.00 | 862,449 | 1,571,000 | -45.10 |
| Korea | 240,695 | 65,139 | 269.23 | 634,683 | 459,000 | 38.28 |

## TOTAL METAL CUTTING AND METAL FORMING

| COUNTRY | DECEMBER | NOVEMBER | % CHANGE | DEC YTD '89 | DEC YTD '88 | % CHANGE |
|---|---|---|---|---|---|---|
| Japan | $96,154,461 | $86,487,063 | 11.18% | $1,337,158,998 | $1,112,451,000 | 20.20% |
| West Germany | 37,314,941 | 18,548,211 | 101.18 | 338,728,105 | 277,470,000 | 22.08 |
| Taiwan | 10,634,655 | 12,036,783 | -11.65 | 141,474,851 | 135,488,000 | 4.42 |
| Switzerland | 7,822,046 | 10,463,272 | -25.24 | 104,477,554 | 94,875,000 | 10.12 |
| U.K. | 11,081,226 | 10,549,915 | 5.04 | 97,465,150 | 105,804,000 | -7.88 |
| Italy | 6,526,267 | 7,435,940 | -12.23 | 79,894,091 | 76,573,000 | 4.34 |
| Canada | 7,129,674 | 5,117,794 | 39.31 | 71,472,335 | 56,607,000 | 26.26 |
| Korea | 2,389,413 | 3,909,338 | -38.88 | 28,296,687 | 14,868,000 | 90.32 |
| Belgium | 3,248,576 | 881,856 | 268.38 | 28,168,688 | 18,841,000 | 49.51 |
| Sweden | 2,920,909 | 3,698,594 | -21.03 | 24,517,737 | 25,840,000 | -5.12 |
| France | 2,271,682 | 1,118,261 | 103.14 | 23,763,808 | 17,032,000 | 39.52 |
| Spain | 1,783,621 | 2,733,456 | -34.75 | 22,629,980 | 22,121,000 | 2.30 |
| Singapore | 1,709,746 | 1,940,045 | -11.87 | 18,760,275 | 12,133,000 | 54.62 |
| Brazil | 479,825 | 1,023,639 | -53.13 | 11,936,492 | 29,592,000 | -59.66 |

# 1989 U.S. EXPORTS

## BY PRODUCT GROUPS

| PRODUCT TYPES | JANUARY | | FEBRUARY | | MARCH | | APRIL | |
|---|---|---|---|---|---|---|---|---|
| | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE |
| Used & Rebuilt & Under $2,500 | 4,001 | $ 9,651,663 | 3,732 | $12,688,394 | 6,637 | $13,092,251 | 5,141 | $12,327,284 |
| Boring Machines | 74 | 638,181 | 26 | 2,545,592 | 18 | 3,222,763 | 17 | 950,038 |
| Drilling Machines | 18 | 895,459 | 17 | 696,798 | 15 | 1,308,988 | 27 | 1,314,012 |
| Gear Cutting Machines | 36 | 5,448,728 | 21 | 2,086,374 | 9 | 2,158,882 | 6 | 849,917 |
| Grinding Machines | 230 | 7,834,870 | 294 | 8,944,628 | 504 | 11,634,092 | 317 | 9,161,095 |
| Horizontal Lathes NC | 16 | 2,019,282 | 5 | 461,768 | 31 | 2,496,490 | 35 | 3,253,292 |
| Vertical Lathes NC | 2 | 366,000 | 0 | 0 | 2 | 112,569 | 0 | 0 |
| Lathes Non-NC | 16 | 465,926 | 56 | 1,275,656 | 59 | 1,492,297 | 43 | 1,613,647 |
| Milling Machines | 66 | 4,903,870 | 89 | 3,273,726 | 30 | 2,019,223 | 46 | 1,805,710 |
| Machining Centers | 21 | 3,086,413 | 22 | 5,831,777 | 14 | 1,491,145 | 28 | 3,534,392 |
| Station Type Machines | 4 | 1,498,740 | 5 | 2,392,333 | 9 | 3,248,541 | 5 | 929,962 |
| Other Metal Cutting | 257 | 4,584,770 | 265 | 2,822,073 | 210 | 5,030,489 | 161 | 4,263,085 |
| Punching & Shearing | 63 | 2,957,497 | 127 | 7,132,924 | 110 | 5,651,176 | 105 | 3,794,853 |
| Bending & Forming Machines | 84 | 3,433,140 | 104 | 3,074,999 | 94 | 4,555,647 | 107 | 4,294,467 |
| Presses | 133 | 5,590,097 | 115 | 5,951,499 | 119 | 5,662,008 | 116 | 6,281,018 |
| Forging Machines | 46 | 3,249,295 | 74 | 3,224,180 | 73 | 2,223,430 | 38 | 4,463,652 |
| Other Metal Forming | 322 | 12,540,612 | 266 | 14,907,382 | 527 | 18,723,205 | 467 | 20,849,780 |
| TOTAL | 5,389 | $69,164,543 | 5,218 | $77,310,103 | 8,461 | $84,123,196 | 6,659 | $79,686,204 |

| PRODUCT TYPES | MAY | | JUNE | | JULY | | AUGUST | |
|---|---|---|---|---|---|---|---|---|
| | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE |
| Used & Rebuilt & Under $2,500 | 4,512 | $10,318,184 | 3,556 | $17,348,522 | 4,243 | $14,523,609 | 5,859 | $10,954,511 |
| Boring Machines | 10 | 1,811,008 | 29 | 1,671,316 | 4 | 75,744 | 26 | 1,370,063 |
| Drilling Machines | 39 | 2,487,530 | 33 | 1,653,649 | 24 | 1,428,421 | 42 | 1,575,597 |
| Gear Cutting Machines | 17 | 1,579,602 | 22 | 4,722,265 | 55 | 5,208,745 | 18 | 3,423,837 |
| Grinding Machines | 227 | 5,612,584 | 321 | 12,488,637 | 392 | 19,501,133 | 349 | 12,629,954 |
| Horizontal Lathes NC | 13 | 1,205,227 | 26 | 3,018,171 | 13 | 1,512,085 | 12 | 1,014,932 |
| Vertical Lathes NC | 1 | 80,170 | 5 | 738,521 | 2 | 367,521 | 3 | 368,610 |
| Lathes Non-NC | 37 | 1,373,016 | 41 | 776,438 | 59 | 1,779,338 | 39 | 1,110,067 |
| Milling Machines | 35 | 2,375,933 | 37 | 1,408,096 | 74 | 4,101,114 | 39 | 1,503,000 |
| Machining Centers | 28 | 3,340,264 | 14 | 1,650,056 | 23 | 4,190,223 | 34 | 3,690,718 |
| Station Type Machines | 7 | 1,176,710 | 0 | 0 | 1 | 45,678 | 6 | 5,025,800 |
| Other Metal Cutting | 167 | 3,352,346 | 226 | 8,360,124 | 130 | 6,166,339 | 178 | 4,880,157 |
| Punching & Shearing | 74 | 5,837,129 | 120 | 4,665,277 | 105 | 4,248,102 | 118 | 6,391,378 |
| Bending & Forming Machines | 91 | 7,421,103 | 72 | 4,269,185 | 84 | 2,346,841 | 80 | 4,172,832 |
| Presses | 172 | 5,741,420 | 143 | 8,063,327 | 97 | 8,025,313 | 118 | 8,418,897 |
| Forging Machines | 63 | 3,165,982 | 74 | 4,247,697 | 49 | 2,299,970 | 77 | 2,971,894 |
| Other Metal Forming | 568 | 12,219,709 | 293 | 11,931,694 | 252 | 8,625,468 | 277 | 13,789,261 |
| TOTAL | 6,061 | $69,097,917 | 5,012 | $87,012,975 | 5,607 | $84,445,644 | 7,275 | $83,291,508 |

1989 U.S. EXPORTS

BY PRODUCT GROUPS

| PRODUCT TYPES | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|---|---|---|---|---|---|---|---|---|
| | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE |
| Used & Rebuilt & Under $2,500 | 6,537 | $10,153,000 | 4,883 | $ 8,099,179 | 3,643 | $ 9,099,729 | 3,122 | $ 9,216,500 |
| Boring Machines | 7 | 455,605 | 4 | 274,938 | 28 | 1,311,525 | 8 | 1,268,274 |
| Drilling Machines | 74 | 1,667,003 | 338 | 2,562,057 | 64 | 608,955 | 62 | 731,257 |
| Gear Cutting Machines | 8 | 2,758,714 | 16 | 5,122,064 | 48 | 4,982,715 | 38 | 15,541,997 |
| Grinding Machines | 234 | 10,589,426 | 465 | 12,020,573 | 242 | 5,773,319 | 381 | 12,184,907 |
| Horizontal Lathes NC | 32 | 5,329,579 | 29 | 3,070,304 | 20 | 2,041,092 | 14 | 1,767,718 |
| Vertical Lathes NC | 0 | 0 | 2 | 360,933 | 1 | 155,000 | 2 | 299,840 |
| Lathes Non-NC | 37 | 530,811 | 39 | 961,735 | 45 | 648,656 | 47 | 1,070,817 |
| Milling Machines | 30 | 1,466,905 | 42 | 3,215,606 | 11 | 334,380 | 22 | 838,137 |
| Machining Centers | 75 | 7,466,254 | 48 | 2,579,397 | 36 | 5,134,324 | 37 | 3,741,018 |
| Station Type Machines | 7 | 4,126,477 | 6 | 5,512,170 | 3 | 2,739,207 | 3 | 5,017,482 |
| Other Metal Cutting | 201 | 5,348,111 | 245 | 4,983,895 | 178 | 3,016,142 | 222 | 4,519,217 |
| Punching & Shearing | 122 | 4,957,288 | 54 | 2,888,326 | 141 | 3,752,463 | 128 | 5,143,232 |
| Bending & Forming Machines | 63 | 3,118,880 | 94 | 5,361,439 | 80 | 2,322,597 | 66 | 2,336,980 |
| Presses | 123 | 6,266,003 | 144 | 8,502,848 | 158 | 7,063,268 | 206 | 16,835,790 |
| Forging Machines | 109 | 3,380,224 | 52 | 1,933,851 | 110 | 6,521,456 | 37 | 3,439,617 |
| Other Metal Forming | 208 | 11,018,013 | 175 | 6,758,040 | 238 | 12,843,187 | 221 | 10,516,660 |
| TOTAL | 7,867 | $78,632,293 | 6,636 | $74,207,355 | 5,046 | $68,348,015 | 4,616 | $94,469,443 |

# 1989 U.S. EXPORTS

## BY PRODUCT GROUPS

| PRODUCT TYPES | DECEMBER Y-T-D TOTALS UNITS | DECEMBER Y-T-D TOTALS VALUE | FIRST SIX MONTH TOTALS UNITS | FIRST SIX MONTH TOTALS VALUE | SECOND SIX MONTH TOTALS UNITS | SECOND SIX MONTH TOTALS VALUE |
|---|---|---|---|---|---|---|
| Used & Rebuilt & Under $2,500 | 55,866 | $137,472,826 | 27,579 | $ 75,426,298 | 28,287 | $ 62,046,528 |
| Boring Machines | 251 | 15,595,047 | 174 | 10,838,898 | 77 | 4,756,149 |
| Drilling Machines | 753 | 16,929,726 | 149 | 8,356,436 | 604 | 8,573,290 |
| Gear Cutting Machines | 294 | 53,883,840 | 111 | 16,845,768 | 183 | 37,038,072 |
| Grinding Machines | 3,956 | 128,375,218 | 1,893 | 55,675,906 | 2,063 | 72,699,312 |
| Horizontal Lathes NC | 246 | 27,189,940 | 126 | 12,454,230 | 120 | 14,735,710 |
| Vertical Lathes NC | 20 | 2,849,164 | 10 | 1,297,260 | 10 | 1,551,904 |
| Lathes Non-NC | 518 | 13,098,404 | 252 | 6,996,980 | 266 | 6,101,424 |
| Milling Machines | 521 | 27,245,700 | 303 | 15,786,558 | 218 | 11,459,142 |
| Machining Centers | 380 | 45,735,981 | 127 | 18,934,047 | 253 | 26,801,934 |
| Station Type Machines | 56 | 31,713,100 | 30 | 9,246,286 | 26 | 22,466,814 |
| Other Metal Cutting | 2,440 | 57,326,748 | 1,286 | 28,412,887 | 1,154 | 28,913,861 |
| Punching & Shearing | 1,267 | 57,419,645 | 599 | 30,038,856 | 668 | 27,380,789 |
| Bending & Forming Machines | 1,019 | 46,708,110 | 552 | 27,048,541 | 467 | 19,659,569 |
| Presses | 1,644 | 92,401,488 | 798 | 37,289,369 | 846 | 55,112,119 |
| Forging Machines | 802 | 41,121,248 | 368 | 20,574,236 | 434 | 20,547,012 |
| Other Metal Forming | 3,814 | 154,723,011 | 2,443 | 91,172,382 | 1,371 | 63,550,629 |
| TOTAL | 73,847 | $949,789,196 | 36,800 | $466,394,938 | 37,047 | $483,394,258 |

| PRODUCT TYPES | 1ST QUARTER TOTALS UNITS | 1ST QUARTER TOTALS VALUE | 2ND QUARTER TOTALS UNITS | 2ND QUARTER TOTALS VALUE | 3RD QUARTER TOTALS UNITS | 3RD QUARTER TOTALS VALUE | 4TH QUARTER TOTALS UNITS | 4TH QUARTER TOTALS VALUE |
|---|---|---|---|---|---|---|---|---|
| Used & Rebuilt & Under $2,500 | 14,370 | $ 35,432,308 | 13,209 | $ 39,993,990 | 16,639 | $ 35,631,120 | 11,648 | $ 26,415,408 |
| Boring Machines | 118 | 6,406,536 | 56 | 4,432,362 | 37 | 1,901,412 | 40 | 2,854,737 |
| Drilling Machines | 50 | 2,901,245 | 99 | 5,455,191 | 140 | 4,671,021 | 464 | 3,902,269 |
| Gear Cutting Machines | 66 | 9,693,984 | 45 | 7,151,784 | 81 | 11,391,296 | 102 | 25,646,776 |
| Grinding Machines | 1,028 | 28,413,590 | 865 | 27,262,316 | 975 | 42,720,513 | 1,088 | 29,978,799 |
| Horizontal Lathes NC | 52 | 4,977,540 | 74 | 7,476,690 | 57 | 7,856,596 | 63 | 6,879,114 |
| Vertical Lathes NC | 4 | 478,569 | 6 | 818,691 | 5 | 736,131 | 5 | 815,773 |
| Lathes Non-NC | 131 | 3,233,879 | 121 | 3,763,101 | 135 | 3,420,216 | 131 | 2,681,208 |
| Milling Machines | 185 | 10,196,819 | 118 | 5,589,739 | 143 | 7,071,019 | 75 | 4,388,123 |
| Machining Centers | 57 | 10,409,335 | 70 | 8,524,712 | 132 | 15,347,195 | 121 | 11,454,739 |
| Station Type Machines | 18 | 7,139,614 | 12 | 2,106,672 | 14 | 9,197,955 | 12 | 13,268,859 |
| Other Metal Cutting | 732 | 12,437,332 | 554 | 15,975,555 | 509 | 16,394,607 | 645 | 12,519,254 |
| Punching & Shearing | 300 | 15,741,597 | 299 | 14,297,259 | 345 | 15,596,768 | 323 | 11,784,021 |
| Bending & Forming Machines | 282 | 11,063,786 | 270 | 15,984,755 | 227 | 9,638,553 | 240 | 10,021,016 |
| Presses | 367 | 17,203,604 | 431 | 20,085,765 | 338 | 22,710,213 | 508 | 32,401,906 |
| Forging Machines | 193 | 8,696,905 | 175 | 11,877,331 | 235 | 8,652,088 | 199 | 11,894,924 |
| Other Metal Forming | 1,115 | 46,171,199 | 1,328 | 45,001,183 | 737 | 33,432,742 | 634 | 30,117,887 |
| TOTAL | 19,068 | $230,597,842 | 17,732 | $235,797,096 | 20,749 | $246,369,445 | 16,298 | $237,024,813 |

# 1989 U.S. EXPORTS

## BY PRODUCT GROUPS

| PRODUCT TYPES | % CHANGE 1ST-2ND QUARTER | | % CHANGE 2ND-3RD QUARTER | | % CHANGE 3RD-4TH QUARTER | |
|---|---|---|---|---|---|---|
| | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE |
| Used & Rebuilt & Under $2,500 | -8.08% | 12.87% | 25.97% | -10.91% | -30.00% | -25.86% |
| Boring Machines | -52.54 | -30.81 | -33.93 | -57.10 | 8.11 | 50.14 |
| Drilling Machines | 98.00 | 88.03 | 41.41 | -14.37 | 231.43 | -16.46 |
| Gear Cutting Machines | -31.82 | -26.22 | 80.00 | 59.28 | 25.93 | 125.14 |
| Grinding Machines | -15.86 | -4.05 | 12.72 | 56.70 | 11.59 | -29.83 |
| Horizontal Lathes NC | 42.31 | 50.21 | -22.97 | 5.08 | 10.53 | -12.44 |
| Vertical Lathes NC | 50.00 | 71.07 | -16.67 | -10.08 | 0.00 | 10.82 |
| Lathes Non-NC | -7.63 | 16.36 | 11.57 | -9.11 | -2.96 | -21.61 |
| Milling Machines | -36.22 | -45.18 | 21.19 | 26.50 | -47.55 | -37.94 |
| Machining Centers | 22.81 | -18.11 | 88.57 | 80.03 | -8.33 | -25.36 |
| Station Type Machines | -33.33 | -70.49 | 16.67 | 336.61 | -14.29 | 44.26 |
| Other Metal Cutting | -24.32 | 28.45 | -8.12 | 2.62 | 26.72 | -23.64 |
| Punching & Shearing | -0.33 | -9.18 | 15.38 | 9.09 | -6.38 | -24.45 |
| Bending & Forming Machines | -4.26 | 44.48 | -15.93 | -39.70 | 5.73 | 3.97 |
| Presses | 17.44 | 16.75 | -21.58 | 13.07 | 50.30 | 42.68 |
| Forging Machines | -9.33 | 36.57 | 34.29 | -27.15 | -15.32 | 37.48 |
| Other Metal Forming | 19.10 | -2.53 | -44.50 | -25.71 | -13.98 | -9.91 |
| TOTAL | -7.01 | 2.25 | 17.01 | 4.48 | -21.45 | -3.79 |

# 1989 U.S. IMPORTS

## BY PRODUCT GROUPS

| PRODUCT TYPES | JANUARY | | FEBRUARY | | MARCH | | APRIL | |
|---|---|---|---|---|---|---|---|---|
| | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE |
| Used & Rebuilt & Under $2,500 | 40,903 | $ 10,113,655 | 28,520 | $ 12,085,985 | 51,136 | $ 12,059,838 | 53,299 | $ 12,791,125 |
| Boring Machines | 89 | 7,646,136 | 74 | 5,470,749 | 89 | 9,365,627 | 62 | 2,622,059 |
| Drilling Machines | 161 | 10,160,328 | 120 | 7,005,035 | 162 | 6,883,656 | 173 | 9,029,944 |
| Gear Cutting Machines | 46 | 4,358,306 | 23 | 2,222,717 | 67 | 1,681,440 | 24 | 1,627,946 |
| Grinding Machines | 560 | 13,559,864 | 606 | 14,282,507 | 620 | 29,083,045 | 718 | 27,286,695 |
| Horizontal Lathes NC | 366 | 33,687,505 | 321 | 27,833,919 | 364 | 35,957,086 | 296 | 26,315,649 |
| Vertical Lathes NC | 13 | 1,199,802 | 10 | 1,610,472 | 5 | 424,971 | 19 | 1,935,853 |
| Lathes Non-NC | 560 | 7,822,799 | 352 | 5,663,166 | 399 | 6,877,263 | 484 | 7,059,595 |
| Milling Machines | 410 | 9,722,408 | 316 | 8,491,551 | 435 | 17,093,177 | 604 | 9,709,582 |
| Machining Centers | 315 | 34,929,013 | 211 | 25,193,738 | 257 | 28,052,640 | 318 | 30,857,850 |
| Station Type Machines | 11 | 1,801,730 | 30 | 1,648,674 | 7 | 3,375,197 | 16 | 11,494,843 |
| Other Metal Cutting | 311 | 12,467,388 | 355 | 12,764,694 | 600 | 24,026,638 | 392 | 16,945,014 |
| Punching & Shearing | 161 | 7,053,551 | 153 | 5,222,761 | 113 | 6,861,975 | 128 | 4,809,075 |
| Bending Forming Machines | 183 | 8,366,797 | 194 | 7,673,335 | 199 | 5,639,375 | 181 | 9,461,859 |
| Presses | 239 | 11,386,574 | 189 | 25,984,776 | 154 | 17,014,014 | 111 | 9,382,988 |
| Forging Machines | 236 | 13,641,470 | 131 | 5,000,422 | 133 | 2,474,805 | 95 | 13,948,522 |
| Other Metal Forming | 129 | 8,724,784 | 939 | 7,345,113 | 1,089 | 7,539,827 | 471 | 8,290,431 |
| TOTAL | 44,693 | $196,642,110 | 32,544 | $175,499,614 | 55,829 | $214,410,574 | 57,391 | $203,569,030 |

| PRODUCT TYPES | MAY | | JUNE | | JULY | | AUGUST | |
|---|---|---|---|---|---|---|---|---|
| | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE |
| Used & Rebuilt & Under $2,500 | 55,283 | $ 15,897,111 | 69,060 | $ 13,921,578 | 77,910 | $ 13,718,883 | 74,032 | $ 16,965,543 |
| Boring Machines | 56 | 2,914,892 | 72 | 2,527,722 | 81 | 7,293,496 | 75 | 3,376,302 |
| Drilling Machines | 198 | 8,206,249 | 152 | 4,725,223 | 104 | 5,203,287 | 248 | 9,230,435 |
| Gear Cutting Machines | 92 | 5,184,412 | 145 | 5,584,652 | 61 | 3,683,843 | 57 | 5,892,446 |
| Grinding Machines | 703 | 28,618,882 | 774 | 23,858,043 | 649 | 31,278,466 | 829 | 32,609,425 |
| Horizontal Lathes NC | 370 | 37,390,197 | 359 | 31,870,568 | 429 | 33,974,512 | 352 | 32,470,483 |
| Vertical Lathes NC | 21 | 3,192,456 | 13 | 2,027,113 | 11 | 5,265,883 | 16 | 1,717,600 |
| Lathes Non-NC | 406 | 7,181,037 | 444 | 11,364,045 | 503 | 7,584,504 | 540 | 6,924,904 |
| Milling Machines | 533 | 6,525,800 | 534 | 5,485,628 | 556 | 12,482,002 | 641 | 11,154,525 |
| Machining Centers | 293 | 31,263,982 | 326 | 40,246,641 | 335 | 38,239,581 | 396 | 40,355,378 |
| Station Type Machines | 19 | 4,417,149 | 19 | 4,361,363 | 26 | 10,264,530 | 32 | 9,664,860 |
| Other Metal Cutting | 450 | 16,125,897 | 423 | 15,836,967 | 442 | 15,809,995 | 504 | 16,912,954 |
| Punching & Shearing | 103 | 4,809,616 | 226 | 8,847,890 | 243 | 9,209,241 | 106 | 5,451,018 |
| Bending Forming Machines | 535 | 9,628,758 | 200 | 9,413,493 | 216 | 7,023,861 | 153 | 8,870,175 |
| Presses | 161 | 12,083,555 | 156 | 8,735,506 | 103 | 8,456,517 | 148 | 23,625,962 |
| Forging Machines | 155 | 9,299,745 | 105 | 5,532,553 | 189 | 9,336,801 | 94 | 4,160,854 |
| Other Metal Forming | 545 | 13,071,111 | 188 | 9,705,046 | 185 | 10,660,150 | 238 | 10,893,099 |
| TOTAL | 59,923 | $215,810,849 | 73,196 | $204,044,031 | 82,043 | $229,485,552 | 78,461 | $240,275,963 |

1989 U.S. IMPORTS

BY PRODUCT GROUPS

| PRODUCT TYPES | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|---|---|---|---|---|---|---|---|---|
| | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE |
| Used & Rebuilt & Under $2,500 | 77,048 | $ 15,144,015 | 95,522 | $ 14,140,579 | 67,828 | $ 11,942,281 | 57,233 | $11,578,118 |
| Boring Machines | 46 | 5,045,649 | 49 | 4,088,258 | 101 | 4,368,275 | 33 | 2,375,161 |
| Drilling Machines | 96 | 2,544,792 | 173 | 3,361,060 | 93 | 1,089,244 | 101 | 6,664,794 |
| Gear Cutting Machines | 16 | 3,220,313 | 74 | 1,105,796 | 54 | 4,985,161 | 89 | 5,929,864 |
| Grinding Machines | 656 | 18,270,938 | 638 | 19,102,185 | 638 | 14,980,807 | 714 | 20,669,640 |
| Horizontal Lathes NC | 366 | 33,946,089 | 337 | 30,842,516 | 294 | 26,258,734 | 285 | 27,365,253 |
| Vertical Lathes NC | 12 | 1,799,909 | 7 | 999,385 | 9 | 1,373,663 | 20 | 9,235,558 |
| Lathes Non-NC | 300 | 4,584,582 | 559 | 8,388,713 | 525 | 9,281,310 | 487 | 7,560,417 |
| Milling Machines | 448 | 6,954,433 | 612 | 11,233,029 | 615 | 7,793,252 | 478 | 5,821,671 |
| Machining Centers | 323 | 34,561,766 | 391 | 41,245,342 | 320 | 32,523,653 | 325 | 33,036,088 |
| Station Type Machines | 4 | 2,526,536 | 8 | 2,259,660 | 10 | 897,140 | 11 | 2,291,631 |
| Other Metal Cutting | 289 | 11,236,576 | 373 | 13,539,820 | 419 | 15,050,241 | 392 | 25,077,045 |
| Punching & Shearing | 112 | 6,143,562 | 178 | 5,569,235 | 113 | 6,516,958 | 164 | 4,771,936 |
| Bending Forming Machines | 154 | 4,509,033 | 168 | 6,669,577 | 183 | 8,839,591 | 147 | 8,320,878 |
| Presses | 134 | 5,006,807 | 205 | 7,367,625 | 118 | 6,992,355 | 253 | 6,745,625 |
| Forging Machines | 51 | 3,645,170 | 220 | 6,080,592 | 52 | 8,160,742 | 93 | 11,837,768 |
| Other Metal Forming | 134 | 13,896,994 | 1,322 | 7,845,154 | 354 | 9,939,309 | 153 | 9,761,291 |
| TOTALS | 80,189 | $173,037,164 | 100,836 | $183,838,526 | 71,726 | $170,992,716 | 60,978 | $199,042,738 |

# 1989 U.S. IMPORTS

## BY PRODUCT GROUPS

| PRODUCT TYPES | DECEMBER Y-T D TOTALS UNITS | DECEMBER Y-T D TOTALS VALUE | FIRST SIX MONTHS TOTALS UNITS | FIRST SIX MONTHS TOTALS VALUE | SECOND SIX MONTH TOTALS UNITS | SECOND SIX MONTH TOTALS VALUE |
|---|---|---|---|---|---|---|
| Used & Rebuilt & Under $2,500 | 747,774 | $ 160,358,711 | 298,201 | $ 76,869,292 | 449,573 | $ 83,489,419 |
| Boring Machines | 827 | 57,094,326 | 442 | 30,547,185 | 385 | 26,547,141 |
| Drilling Machines | 1,781 | 74,104,047 | 966 | 46,010,435 | 815 | 28,093,612 |
| Gear Cutting Machines | 748 | 45,476,896 | 397 | 20,659,473 | 351 | 24,817,423 |
| Grinding Machines | 8,105 | 273,600,497 | 3,981 | 136,689,036 | 4,124 | 136,911,461 |
| Horizontal Lathes NC | 4,139 | 377,912,511 | 2,076 | 193,054,924 | 2,063 | 184,857,587 |
| Vertical Lathes NC | 156 | 30,782,665 | 81 | 10,390,667 | 75 | 20,391,998 |
| Lathes Non-NC | 5,559 | 90,292,335 | 2,645 | 45,967,905 | 2,914 | 44,324,430 |
| Milling Machines | 6,182 | 112,467,058 | 2,832 | 57,028,146 | 3,350 | 55,438,912 |
| Machining Centers | 3,810 | 410,505,672 | 1,720 | 190,543,864 | 2,090 | 219,961,808 |
| Station Type Machines | 193 | 55,003,313 | 102 | 27,098,956 | 91 | 27,904,357 |
| Other Metal Cutting | 4,950 | 195,793,229 | 2,531 | 98,166,598 | 2,419 | 97,626,631 |
| Punching & Shearing | 1,800 | 75,266,818 | 884 | 37,604,868 | 916 | 37,661,950 |
| Bending Forming Machines | 2,513 | 94,416,732 | 1,492 | 50,183,617 | 1,021 | 44,233,115 |
| Presses | 1,971 | 142,782,304 | 1,010 | 84,587,413 | 961 | 58,194,891 |
| Forging Machines | 1,554 | 93,119,444 | 855 | 49,897,517 | 699 | 43,221,927 |
| Other Metal Forming | 5,747 | 117,672,309 | 3,361 | 54,676,312 | 2,386 | 62,995,997 |
| TOTALS | 797,809 | $2,406,648,867 | 323,576 | $1,209,976,208 | 474,233 | $1,196,672,659 |

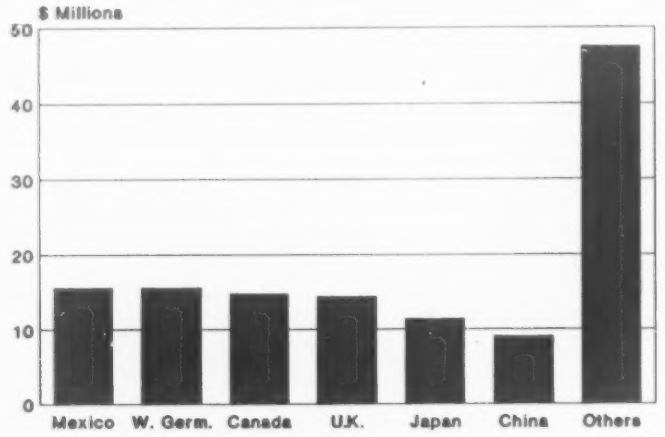
| PRODUCT TYPES | 1ST QUARTER TOTALS UNITS | 1ST QUARTER TOTALS VALUE | 2ND QUARTER TOTALS UNITS | 2ND QUARTER TOTALS VALUE | 3RD QUARTER TOTALS UNITS | 3RD QUARTER TOTALS VALUE | 4TH QUARTER TOTALS UNITS | 4TH QUARTER TOTALS VALUE |
|---|---|---|---|---|---|---|---|---|
| Used & Rebuilt & Under $2,500 | 120,559 | $ 34,259,478 | 177,642 | $ 42,609,814 | 228,990 | $ 45,828,441 | 220,583 | $ 37,660,978 |
| Boring Machines | 252 | 22,482,512 | 190 | 8,064,673 | 202 | 15,715,447 | 183 | 10,831,694 |
| Drilling Machines | 443 | 24,049,019 | 523 | 21,961,416 | 448 | 16,978,514 | 367 | 11,115,098 |
| Gear Cutting Machines | 136 | 8,262,463 | 261 | 12,397,010 | 134 | 12,796,602 | 217 | 12,020,821 |
| Grinding Machines | 1,786 | 56,925,416 | 2,195 | 79,763,620 | 2,134 | 82,158,829 | 1,990 | 54,752,632 |
| Horizontal Lathes NC | 1,051 | 97,478,510 | 1,025 | 95,576,414 | 1,147 | 100,391,084 | 916 | 84,466,503 |
| Vertical Lathes NC | 28 | 3,235,245 | 53 | 7,155,422 | 39 | 8,783,392 | 36 | 11,608,606 |
| Lathes Non-NC | 1,311 | 20,363,228 | 1,334 | 25,604,677 | 1,343 | 19,093,990 | 1,571 | 25,230,440 |
| Milling Machines | 1,161 | 35,307,136 | 1,671 | 21,721,010 | 1,645 | 30,590,960 | 1,705 | 24,847,952 |
| Machining Centers | 783 | 88,175,391 | 937 | 102,368,473 | 1,054 | 113,156,725 | 1,036 | 106,805,083 |
| Station Type Machines | 48 | 6,825,601 | 54 | 20,273,355 | 62 | 22,455,926 | 29 | 5,448,431 |
| Other Metal Cutting | 1,266 | 49,258,720 | 1,265 | 48,907,878 | 1,235 | 43,959,525 | 1,184 | 53,667,106 |
| Punching & Shearing | 427 | 19,138,287 | 457 | 18,466,581 | 461 | 20,803,821 | 455 | 16,858,129 |
| Bending Forming Machines | 576 | 21,679,507 | 916 | 28,504,110 | 523 | 20,403,069 | 498 | 23,830,046 |
| Presses | 582 | 54,385,364 | 428 | 30,202,049 | 385 | 37,089,286 | 576 | 21,105,605 |
| Forging Machines | 500 | 21,116,697 | 355 | 28,780,820 | 334 | 17,142,825 | 365 | 26,079,102 |
| Other Metal Forming | 2,157 | 23,609,724 | 1,204 | 31,066,588 | 557 | 35,450,243 | 1,829 | 27,545,754 |
| TOTALS | 133,066 | $586,552,298 | 190,510 | $623,423,910 | 240,693 | $642,798,679 | 233,540 | $553,873,980 |

1989 U.S. IMPORTS

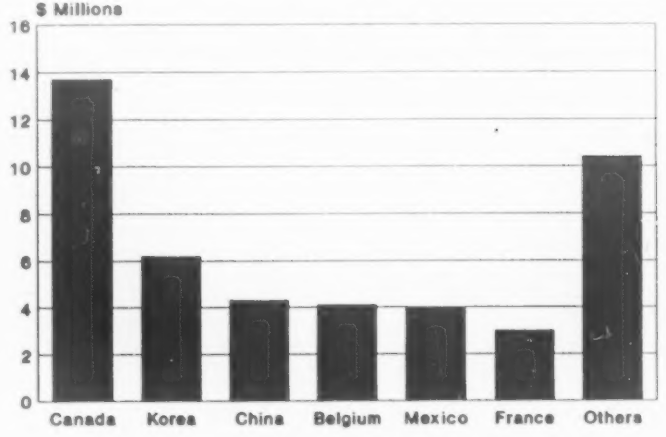
BY PRODUCT GROUPS

| PRODUCT TYPES | % CHANGE 1ST-2ND QUARTER | | % CHANGE 2ND-3RD QUARTER | | % CHANGE 3RD-4TH QUARTER | |
|---|---|---|---|---|---|---|
| | UNITS | VALUE | UNITS | VALUE | UNITS | VALUE |
| Used & Rebuilt & Under $2,500 | 47.35% | 24.37% | 28.91% | 7.55% | -3.67% | -17.82% |
| Boring Machines | -24.60 | -64.13 | 6.32 | 94.87 | -9.41 | -31.08 |
| Drilling Machines | 18.06 | -8.68 | -14.34 | -22.69 | -18.08 | -34.53 |
| Gear Cutting Machines | 91.91 | 50.04 | -48.66 | 3.22 | 61.94 | -6.06 |
| Grinding Machines | 22.90 | 40.12 | -2.78 | 3.00 | -6.75 | -33.36 |
| Horizontal Lathes NC | -2.47 | -1.95 | 11.90 | 5.04 | -20.14 | -15.86 |
| Vertical Lathes NC | 89.29 | 121.17 | -26.42 | 22.75 | -7.69 | 32.17 |
| Lathes Non-NC | 1.75 | 25.74 | 0.67 | -25.43 | 16.98 | 32.14 |
| Milling Machines | 43.93 | -38.48 | -1.56 | 40.84 | 3.65 | -18.77 |
| Machining Centers | 19.67 | 16.10 | 12.49 | 10.54 | -1.71 | -5.61 |
| Station Type Machines | 12.50 | 197.02 | 14.81 | 10.77 | -53.23 | -75.74 |
| Other Metal Cutting | -0.08 | -0.71 | -2.37 | -10.12 | -4.13 | 22.08 |
| Punching & Shearing | 7.03 | -3.51 | 0.88 | 12.66 | -1.30 | -18.97 |
| Bending Forming Machines | 59.03 | 31.48 | -42.90 | -28.42 | -4.78 | 16.80 |
| Presses | -26.46 | -44.47 | -10.05 | 22.80 | 49.61 | -43.10 |
| Forging Machines | -29.00 | 36.29 | -5.92 | -40.44 | 9.28 | 52.13 |
| Other Metal Forming | -44.18 | 31.58 | -53.74 | 14.11 | 228.37 | -22.30 |
| TOTALS | 43.17 | 6.29 | 26.34 | 3.11 | -2.97 | -13.83 |

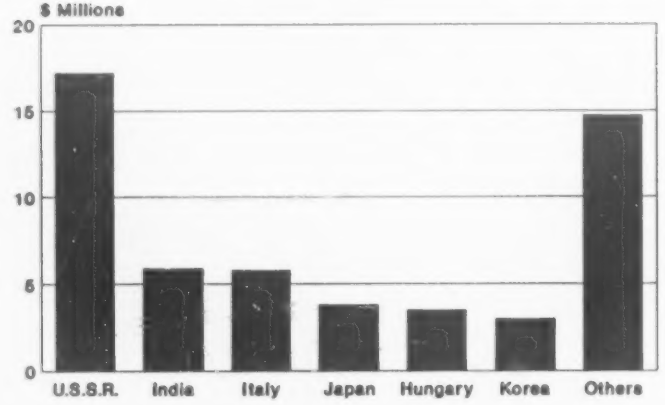
U.S. Exports of Grinding Machines 1989
(Total: $128.4 million)



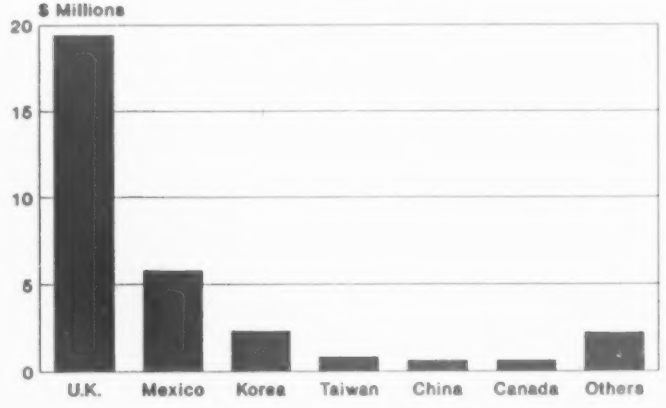

U.S. Exports of Machining Centers 1989
(Total: $45.7 million)



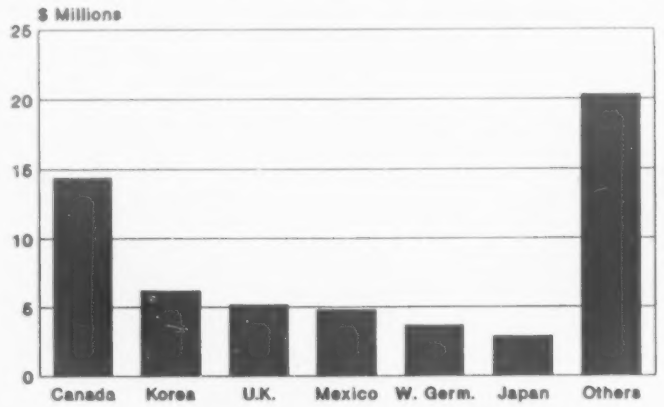

U.S. Exports
of Gear Cutting Machines 1989
(Total: $53.9 million)



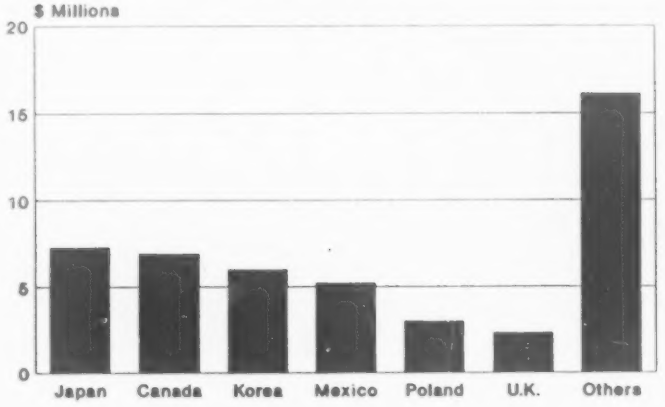

U.S. Exports of
Station Type Machines 1989
(Total: $31.7 million)



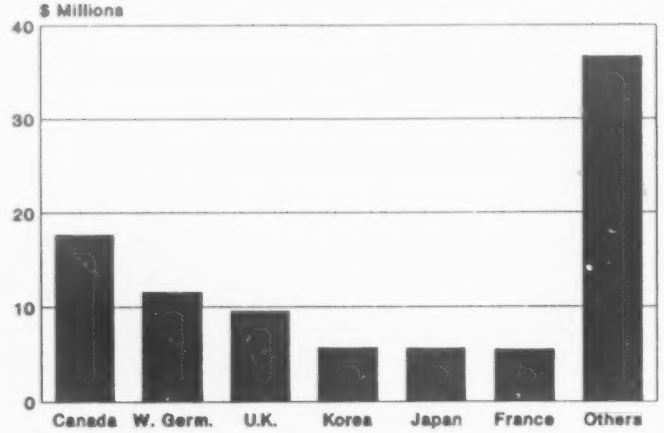
U.S. Exports of
Punching and Shearing Machines 1989
(Total: $57.4 million)



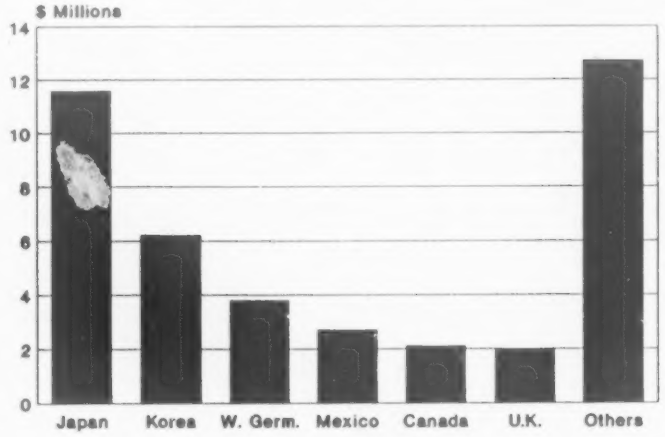

U.S. Exports of
Bending and Forming Machines 1989
(Total: $46.7 million)



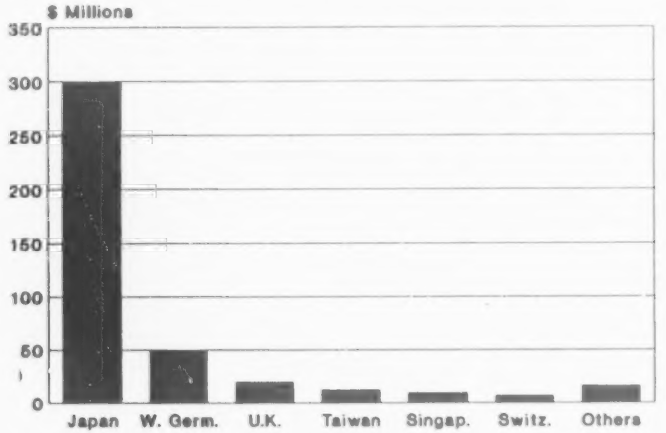

U.S. Exports of Presses 1989
(Total: $92.4 million)



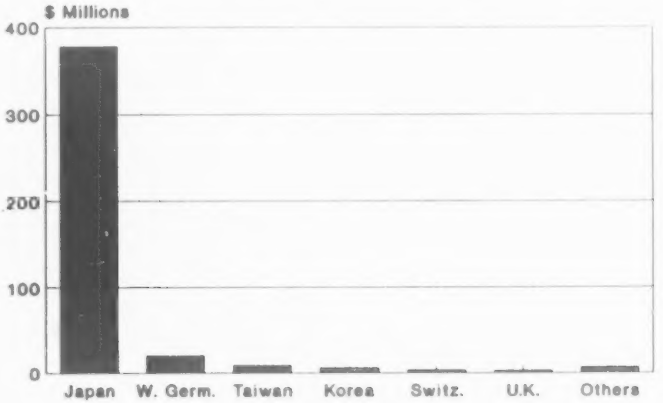

U.S. Exports of Forging Machines 1989
(Total: $41.1 million)



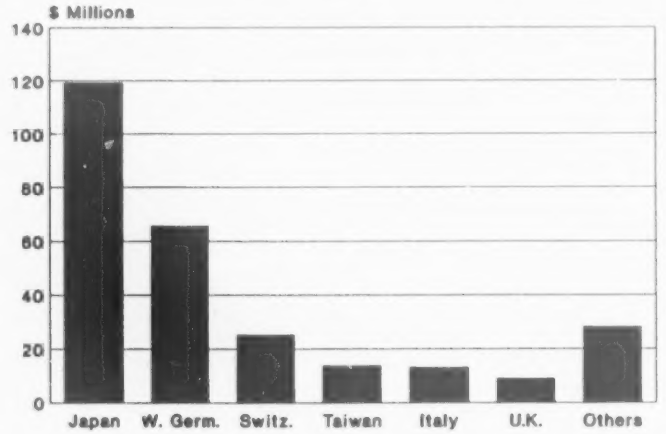
U.S. Imports of Machining Centers 1989
(Total: $410.5 million)



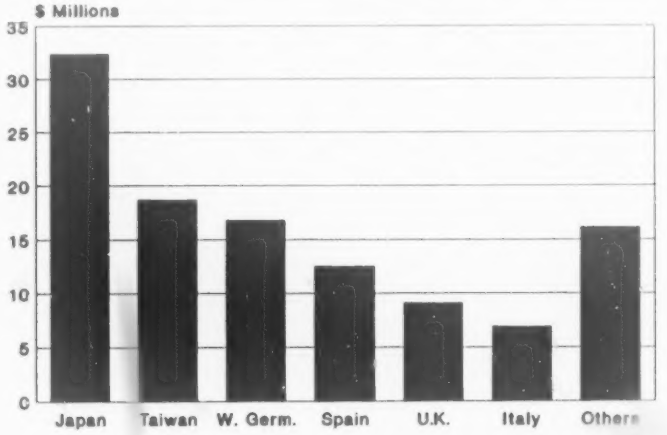

U.S. Imports of
NC Horizontal Lathes 1989
(Total: $377.9 million)



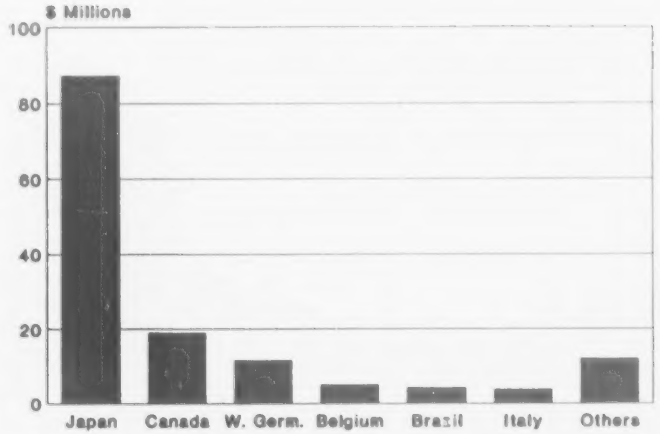

U.S. Imports of Grinding Machines 1989
(Total: $273.6 million)



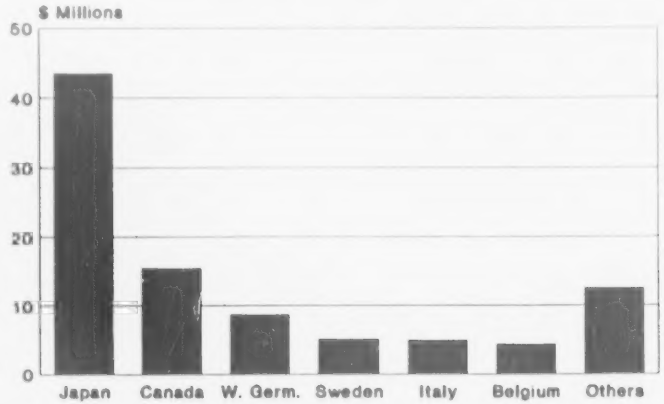

U.S. Imports of Milling Machines 1989
(Total: $112.5 million)



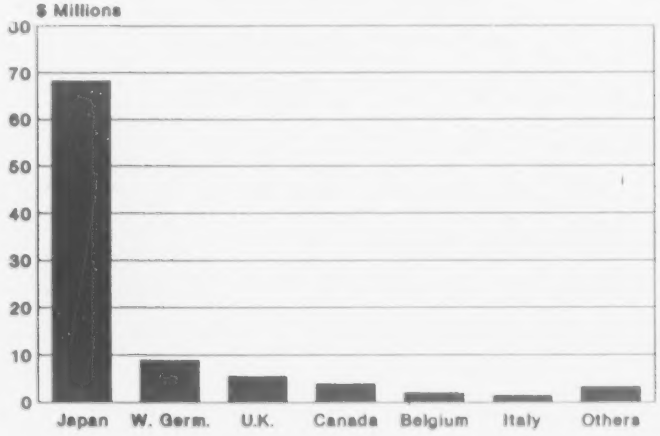
U.S. Imports of Presses 1989
(Total: $142.8 million)



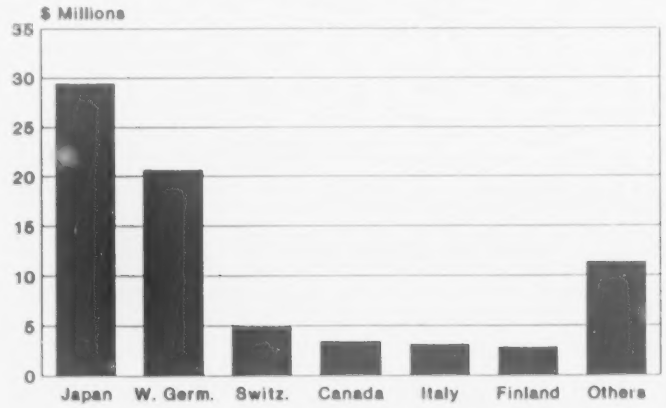

U.S. Imports of
Bending and Forming Machines 1989
(Total: $94.4 million)




U.S. Imports of Forging Machines 1989
(Total: $93.1 million)




U.S. Imports of
Punching and Shearing Machines 1989
(Total: $75.3 million)



U.S. IMPORTS
Metal Cutting Machine Tools - December 89

RELEASED: February 28, 1990

| | | TOTAL YTD | | TOTAL MO. | |
|---|---|---|---|---|---|
| | | UNITS | $000 | UNITS | $000 |
| 8456301010 | Traveling wire electro-discharge machines, NC | 732 | 60803 | 81 | 5881 |
| 301030 | Traveling wire electro-discharge machines, non-NC | 257 | 16700 | 6 | 378 |
| 301050 | Electro-discharge machines, n.e.c., NC | 159 | 11229 | 11 | 2107 |
| 301070 | Electro-discharge machines, n.e.c., non-NC | 377 | 15358 | 30 | 3192 |
| 8457100015 | Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26") | 2456 | 201060 | 210 | 17634 |
| 100025 | Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26") | 226 | 30291 | 21 | 1939 |
| 100035 | Horiz. mach. ctrs., ATC | 832 | 136510 | 78 | 12049 |
| 100045 | Mach. ctrs., n.e.c. | 296 | 42644 | 16 | 1415 |
| 200010 | Unit construction mach. (single station transfer), NC | 31 | 4393 | 3 | 251 |
| 200090 | Unit construction mach. (single station transfer), non-NC | 15 | 777 | 0 | 0 |
| 300010 | Multi-station transfer machines, NC | 27 | 20051 | 1 | 57 |
| 300090 | Multi-station transfer machines, non-NC | 108 | 28948 | 6 | 1975 |
| 8458110010 | Horiz. lathes, multiple spindle, NC | 365 | 51824 | 25 | 3429 |
| 110030 | Horiz. lathes, power rating under 18.65 kW (25 HP), NC | 3030 | 227428 | 201 | 16314 |
| 110050 | Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC | 656 | 85013 | 54 | 6646 |
| 110090 | Horiz. lathes, power rating over 37.3 kW (50 HP), NC | 88 | 13648 | 5 | 977 |
| 190030 | Horiz. engine or toolroom lathes, non-NC | 3076 | 29624 | 284 | 3004 |
| 190050 | Automatic bar and/or chucking mach., single spindle, non-NC | 509 | 12768 | 59 | 1017 |
| 190070 | Automatic bar and/or chucking mach., mult. spindle, non-NC | 150 | 6433 | 11 | 343 |
| 190090 | Horiz. lathes, n.e.c., non-NC | 929 | 13330 | 60 | 1707 |
| 911060 | Vertical turret lathes, multiple spindle, NC | 28 | 12802 | 4 | 4210 |
| 911080 | Vertical turret lathes, n.e.c., NC | 47 | 7499 | 5 | 1603 |
| 915050 | Vertical lathes, excl. VTL's, mult. spindle, NC | 4 | 1164 | 2 | 482 |
| 915070 | Vertical lathes, excl. VTL's, n.e.c., NC | 77 | 9317 | 9 | 2940 |
| 991050 | Vertical turret lathes, non-NC | 65 | 4818 | 1 | 275 |
| 995090 | Vertical lathes, n.e.c., excl. VTL's, non-NC | 830 | 23321 | 72 | 1215 |
| 8459100000 | Way-type unit head machines | 12 | 836 | 1 | 8 |
| 210080 | Other drilling machines, NC | 522 | 38961 | 17 | 5199 |
| 290040 | Drilling machines, multiple spindle, non-NC | 125 | 5721 | 16 | 92 |
| 290050 | Drilling machines, radial, non-NC | 463 | 2890 | 53 | 342 |
| 290070 | Drilling, upright, ex. sensitive, turret & deep hole, non-NC | 199 | 1553 | 9 | 47 |
| 290090 | Drilling machines, n.e.c., non-NC | 472 | 24979 | 6 | 985 |
| 310010 | Boring-milling mach., horiz. spind., table, excl. planer, NC | 16 | 3932 | 1 | 293 |
| 310040 | Boring-milling mach., horiz. spindle, n.e.c., NC | 216 | 15980 | 6 | 643 |
| 310070 | Boring-milling mach., n.e.c., NC | 58 | 5706 | 0 | 0 |
| 390040 | Boring-milling mach., horiz. spindle, n.e.c., non-NC | 42 | 1612 | 3 | 24 |
| 390050 | Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC | 163 | 6654 | 3 | 858 |
| 400040 | Boring machines, vertical, NC | 17 | 6395 | 0 | 0 |
| 400050 | Boring machines, vertical, non-NC | 75 | 946 | 10 | 98 |
| 400070 | Boring machines, n.e.c., NC | 12 | 2790 | 2 | 331 |
| 400080 | Boring machines, n.e.c., non-NC | 228 | 13079 | 8 | 128 |
| 510080 | Milling machines, knee type, NC | 1090 | 16338 | 40 | 909 |
| 590030 | Milling machines, knee type, non-NC | 3737 | 31813 | 330 | 2392 |
| 610080 | Milling machines, excl. knee type, n.e.c., NC | 504 | 43058 | 24 | 1962 |
| 690050 | Milling machines, profile, dup., or die sinking, non-NC | 107 | 859 | 2 | 9 |
| 690070 | Milling machines, bed type, non-NC | 96 | 2889 | 2 | 58 |
| 690090 | Milling machines, n.e.c., non-NC | 648 | 17511 | 80 | 492 |
| 700020 | Threading or tapping machines, n.e.c., NC | 296 | 15073 | 30 | 1179 |
| 700080 | Threading or tapping machines, n.e.c., non-NC | 289 | 9190 | 14 | 372 |
| 8460110080 | Flat surface grinding mach., NC | 159 | 11750 | 8 | 368 |
| 190010 | Flat surface grinding mach., recip.-table type, non-NC | 1123 | 12369 | 102 | 896 |
| 190050 | Flat surface grinding mach., n.e.c., non-NC | 1813 | 19639 | 145 | 1701 |
| 210080 | Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC | 547 | 91743 | 48 | 7224 |
| 290010 | Grinding mach., external cylindrical, (incl. univ.), non-NC | 457 | 14689 | 49 | 1065 |
| 290030 | Grinding mach., internal cylindrical, non-NC | 146 | 12984 | 7 | 924 |
| 290050 | Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC | 1178 | 45541 | 61 | 3925 |
| 310080 | Sharpening machines (tool & cutter grinding), NC | 342 | 4027 | 18 | 196 |
| 390050 | Sharpening machines (tool & cutter grinding), non-NC | 729 | 9890 | 91 | 1396 |
| 400060 | Honing or lapping machines, NC | 35 | 6889 | 0 | 0 |
| 400080 | Honing or lapping machines, non-NC | 195 | 6760 | 28 | 1041 |
| 900060 | Grinding, honing, polishing, & lapping mach., n.e.c., NC | 52 | 4498 | 4 | 21 |
| 900080 | Grinding, honing, polishing, & lapping mach., n.e.c., non-NC | 1329 | 32821 | 153 | 1913 |
| 8461100060 | Planing machines, NC | 0 | 0 | 0 | 0 |
| 100080 | Planing machines, non-NC | 6 | 109 | 0 | 0 |
| 200010 | Shaping or slotting machines, NC | 36 | 5571 | 4 | 2165 |
| 200090 | Shaping or slotting machines, non-NC | 55 | 3450 | 8 | 946 |
| 300060 | Broaching machines, NC | 13 | 6366 | 1 | 1941 |
| 300080 | Broaching machines, non-NC | 44 | 4344 | 0 | 0 |
| 401050 | Gear hobbers | 103 | 15952 | 13 | 482 |
| 401070 | Gear shapers | 19 | 3034 | 6 | 850 |
| 401090 | Gear cutting machines, n.e.c. | 443 | 1546 | 52 | 10 |
| 405060 | Gear grinding or finishing machines | 183 | 24944 | 18 | 4587 |
| 500050 | Sawing or cutting-off machines, NC | 171 | 4211 | 26 | 866 |
| 500090 | Sawing or cutting-off machines, non-NC | 1809 | 25975 | 114 | 2904 |
| 9000000001 | Metal cutting machine tools, n.e.c. | 706 | 17415 | 67 | 3146 |
| 9800000001 | Used or rebuilt machine tools | 6482 | 38579 | 101 | 1080 |
| 9900000001 | Machine tools valued at less than $2,500 | 715675 | 97494 | 53814 | 7974 |
| | Cutting Total | | | 56850 | 155082 |
| | Y-T-D Cutting Total | 758607 | 1859106 | | |
| | NC Y-T-D Cutting Total | 13189 | 1203314 | | |

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - December 89

| | Belgium | | Brazil | | Canada | | France | | Italy | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456301010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8457100015 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 294 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 1 | 1311 | 0 | 0 | 0 | 0 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 0 | 0 | 34 | 231 | 10 | 113 | 0 | 0 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 0 | 0 | 32 | 141 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1341 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 0 | 0 | 16 | 75 | 1 | 3 | 0 | 0 | 0 | 0 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 22 |
| 290050 | 0 | 0 | 4 | 30 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 651 | 0 | 0 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 1 | 66 | 0 | 0 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 725 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 98 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 5 | 102 | 0 | 0 | 3 | 26 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 191 |
| 610080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 471 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8460110080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 134 |
| 190050 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 8 | 1 | 3 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 294 | 1 | 85 |
| 290010 | 0 | 0 | 0 | 0 | 27 | 150 | 0 | 0 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 1 | 20 | 1 | 42 | 9 | 539 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 196 | 2 | 29 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900060 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 |
| 900080 | 0 | 0 | 0 | 0 | 4 | 64 | 0 | 0 | 51 | 331 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 6 | 15 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 |
| 401090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 405060 | 1 | 614 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 0 | 0 | 0 | 0 | 22 | 403 | 3 | 11 | 4 | 20 |
| 9000000001 | 0 | 0 | 0 | 0 | 1 | 3 | 42 | 459 | 0 | 0 |
| 9800000001 | 1 | 12 | 0 | 0 | 22 | 75 | 2 | 27 | 3 | 23 |
| 9900000001 | 3 | 3 | 1 | 2 | 65 | 26 | 73 | 46 | 2975 | 487 |
| Month Tot | 5 | 629 | 87 | 480 | 168 | 2359 | 145 | 2026 | 3084 | 4557 |
| Y-T-D Tot | 381 | 5492 | 1055 | 7416 | 3647 | 20824 | 1634 | 21968 | 36543 | 52076 |
| MC YTD Tot | 11 | 383 | 40 | 1254 | 124 | 3890 | 61 | 3794 | 160 | 15792 |

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Cutting Machine Tools - December 89

| | Japan | | Korea | | Singapore | | Spain | | Sweden | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456301010 | 59 | 4784 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301030 | 4 | 348 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301050 | 9 | 411 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8457100015 | 129 | 12309 | 2 | 142 | 20 | 949 | 0 | 0 | 0 | 0 |
| 100025 | 14 | 1517 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 61 | 10132 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 47 | 2 | 381 |
| 200010 | 1 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 21 | 2787 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 195 | 15624 | 2 | 103 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110050 | 54 | 6646 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110090 | 2 | 463 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 0 | 0 | 36 | 415 | 21 | 233 | 0 | 0 | 0 | 0 |
| 190050 | 4 | 496 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 15 | 1299 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911060 | 2 | 370 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 5 | 1603 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 2 | 482 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 1 | 63 | 3 | 305 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 2 | 83 | 13 | 788 | 0 | 0 | 1 | 14 | 0 | 0 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 14 | 1273 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 10 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 40 | 10 | 38 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 21 | 0 | 0 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 17 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400070 | 2 | 331 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 93 | 0 | 0 |
| 590030 | 9 | 39 | 0 | 0 | 0 | 0 | 138 | 1021 | 0 | 0 |
| 610080 | 2 | 30 | 0 | 0 | 2 | 83 | 3 | 122 | 0 | 0 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 5 | 17 | 0 | 0 | 0 | 0 | 2 | 40 | 0 | 0 |
| 700020 | 28 | 1177 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 5 | 132 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8460110080 | 3 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190010 | 28 | 231 | 0 | 0 | 40 | 445 | 0 | 0 | 0 | 0 |
| 190050 | 5 | 308 | 2 | 28 | 0 | 0 | 5 | 47 | 0 | 0 |
| 210080 | 9 | 2276 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 |
| 290010 | 5 | 195 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 247 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 416 |
| 290050 | 10 | 1374 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 311 |
| 310080 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 4 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 2 | 134 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17 |
| 900080 | 11 | 357 | 8 | 53 | 0 | 0 | 0 | 0 | 1 | 6 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 2 | 2102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 4 | 450 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 1 | 167 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 405060 | 2 | 285 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500050 | 13 | 687 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 23 | 617 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 47 |
| 9000000001 | 5 | 2392 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9800000001 | 4 | 90 | 0 | 0 | 0 | 0 | 1 | 13 | 0 | 0 |
| 9900000001 | 12567 | 1849 | 428 | 315 | 0 | 0 | 0 | 0 | 65 | 60 |
| Month Tot | 13354 | 76228 | 494 | 2149 | 83 | 1710 | 162 | 1459 | 94 | 1540 |
| Y-T-D Tot | 74374 | 1042630 | 6424 | 27662 | 896 | 17898 | 2163 | 19536 | 2760 | 13639 |
| NC YTD Tot | 8419 | 885245 | 170 | 11006 | 204 | 10065 | 530 | 5770 | 17 | 2723 |

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - December 89

| | Switzerland | | Taiwan | | U.K. | | West Germany | | All Other | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456301010 | 14 | 1025 | 8 | 72 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301030 | 0 | 0 | 2 | 31 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301050 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1696 | 0 | 0 |
| 301070 | 13 | 828 | 11 | 191 | 0 | 0 | 4 | 2170 | 2 | 3 |
| 8457100015 | 0 | 0 | 9 | 1070 | 39 | 2280 | 3 | 204 | 5 | 387 |
| 100025 | 0 | 0 | 1 | 138 | 5 | 185 | 0 | 0 | 1 | 98 |
| 100035 | 0 | 0 | 3 | 233 | 0 | 0 | 14 | 1684 | 0 | 0 |
| 100045 | 0 | 0 | 0 | 0 | 10 | 457 | 3 | 530 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 200 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 57 |
| 300090 | 4 | 608 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 57 |
| 8458110010 | 0 | 0 | 0 | 0 | 2 | 181 | 2 | 461 | 0 | 0 |
| 110030 | 1 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 509 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 333 | 1 | 181 |
| 190030 | 0 | 0 | 91 | 733 | 21 | 254 | 1 | 3 | 70 | 1022 |
| 190050 | 1 | 77 | 52 | 435 | 2 | 10 | 0 | 0 | 0 | 0 |
| 190070 | 1 | 163 | 8 | 64 | 0 | 0 | 0 | 0 | 2 | 115 |
| 190090 | 0 | 0 | 0 | 0 | 7 | 126 | 1 | 110 | 5 | 32 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3841 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 1 | 96 | 1 | 1088 | 1 | 46 |
| 991050 | 1 | 275 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 0 | 0 | 0 | 0 | 1 | 43 | 21 | 91 | 17 | 117 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 1 | 16 | 0 | 0 | 1 | 170 | 1 | 3740 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 13 | 51 | 0 | 0 | 1 | 102 | 18 | 81 |
| 290070 | 0 | 0 | 9 | 47 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 313 | 0 | 0 |
| 310010 | 0 | 0 | 0 | 0 | 1 | 293 | 0 | 0 | 0 | 0 |
| 310040 | 1 | 495 | 0 | 0 | 0 | 0 | 4 | 81 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 133 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 510080 | 0 | 0 | 19 | 167 | 19 | 636 | 0 | 0 | 1 | 13 |
| 590030 | 1 | 28 | 79 | 604 | 20 | 81 | 0 | 0 | 78 | 427 |
| 610080 | 0 | 0 | 7 | 98 | 1 | 2 | 8 | 1157 | 0 | 0 |
| 690050 | 0 | 0 | 2 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 2 | 58 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 1 | 78 | 11 | 44 | 0 | 0 | 7 | 163 | 54 | 150 |
| 700020 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 1 | 16 | 2 | 6 | 2 | 29 | 4 | 189 | 0 | 0 |
| 8460110080 | 0 | 0 | 1 | 2 | 2 | 95 | 2 | 146 | 0 | 0 |
| 190010 | 0 | 0 | 10 | 40 | 0 | 0 | 8 | 22 | 10 | 23 |
| 190050 | 0 | 0 | 123 | 778 | 3 | 57 | 1 | 15 | 3 | 455 |
| 210080 | 5 | 883 | 2 | 116 | 4 | 108 | 23 | 3460 | 0 | 0 |
| 290010 | 4 | 339 | 5 | 22 | 4 | 112 | 0 | 0 | 0 | 0 |
| 290030 | 2 | 178 | 0 | 0 | 0 | 0 | 3 | 331 | 0 | 0 |
| 290050 | 4 | 16 | 1 | 32 | 3 | 172 | 26 | 1282 | 3 | 137 |
| 310080 | 0 | 0 | 0 | 0 | 12 | 27 | 4 | 164 | 0 | 0 |
| 390050 | 7 | 149 | 4 | 24 | 10 | 67 | 35 | 618 | 13 | 266 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 10 | 79 | 14 | 815 | 2 | 13 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 4 | 117 | 8 | 84 | 18 | 173 | 35 | 569 | 13 | 157 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 64 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 931 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 1 | 1941 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 6 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 |
| 401070 | 0 | 0 | 0 | 0 | 1 | 14 | 2 | 636 | 1 | 19 |
| 401090 | 50 | 6 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 |
| 405060 | 9 | 1140 | 0 | 0 | 0 | 0 | 4 | 2413 | 2 | 135 |
| 500050 | 0 | 0 | 3 | 26 | 0 | 0 | 10 | 153 | 0 | 0 |
| 500090 | 1 | 11 | 14 | 46 | 19 | 104 | 16 | 1608 | 10 | 35 |
| 9000000001 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 254 | 11 | 38 |
| 9800000001 | 2 | 25 | 7 | 47 | 38 | 399 | 14 | 302 | 7 | 68 |
| 9900000001 | 15 | 16 | 30233 | 4232 | 121 | 143 | 227 | 203 | 7041 | 594 |
| Month Tot | 149 | 6589 | 30742 | 9503 | 378 | 8333 | 520 | 31881 | 7385 | 5638 |
| Y-T-D Tot | 1760 | 86971 | 476193 | 132120 | 7287 | 80673 | 10860 | 271243 | 132630 | 58958 |
| MC YTD Tot | 221 | 31649 | 1151 | 30534 | 768 | 42623 | 928 | 146051 | 385 | 12533 |

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology

December 89

RELEASED: February 28, 1990

| Metal Forming Machine Tools | | TOTAL YTD | | TOTAL MO. | |
|---|---|---|---|---|---|
| | | UNITS | $000 | UNITS | $000 |
| 8454300010 | Die casting machines | 4105 | 44684 | 25 | 3531 |
| 8462100030 | Headers and upsetters, including cold headers | 138 | 11618 | 4 | 408 |
| 100050 | Forging or die stamping machines, and hammers, n.e.c. | 1416 | 81502 | 89 | 11430 |
| 210080 | Bending, folding, straight. or flat. mach., incl presses, NC | 991 | 37184 | 55 | 3268 |
| 290030 | Press brakes, non-NC | 374 | 9764 | 23 | 523 |
| 290040 | Bending rolls, non-NC | 77 | 2022 | 2 | 54 |
| 290050 | Bending, folding, straight., or flat., n.e.c., non-NC | 1071 | 45446 | 67 | 4476 |
| 310080 | Shearing machines, NC | 57 | 6661 | 6 | 708 |
| 390050 | Shearing machines, non-NC | 738 | 14001 | 49 | 634 |
| 410080 | Punching or notching mach., incl. comb. punch & shear, NC | 362 | 40916 | 21 | 2504 |
| 490050 | Punching or notching mach., incl. comb. punch & sh., non-NC | 643 | 13688 | 88 | 925 |
| 910060 | Hydraulic presses, NC | 43 | 6466 | 8 | 1499 |
| 910090 | Hydraulic presses, non-NC | 684 | 23578 | 140 | 943 |
| 990030 | Presses, n.e.c., NC | 93 | 6498 | 1 | 378 |
| 990040 | Presses, mechanical, non-NC | 66 | 23337 | 0 | 0 |
| 990060 | Presses, n.e.c., non-NC | 1085 | 82903 | 104 | 3926 |
| 8463100080 | Draw benches for bars, tubes, profiles, wire or the like | 39 | 5009 | 0 | 0 |
| 200080 | Thread rolling machines | 62 | 3086 | 3 | 152 |
| 300080 | Machines for working wire | 742 | 35780 | 85 | 4402 |
| 900080 | Metal forming machine tools, n.e.c. | 799 | 29113 | 40 | 1677 |
| 9800000002 | Used or rebuilt machine tools | 3037 | 17486 | 2144 | 2098 |
| 9900000002 | Machine tools valued at less than $2,500 | 22580 | 6799 | 1174 | 426 |
| | Forming Total | | | 4128 | 43961 |
| | Y-T-D Forming Total | 39202 | 547543 | | |
| | NC Y-T-D Forming Total | 1546 | 97727 | | |
| | Cutting and Forming Totals: | | | | |
| | Monthly Total | | | 60978 | 199043 |
| | Y-T-D Total | 797809 | 2406649 | | |
| | NC Y-T-D Total | 14735 | 1301041 | | |

| Other Manufacturing Technology | | TOTAL YTD | | TOTAL MO. | |
|---|---|---|---|---|---|
| | | UNITS | $000 | UNITS | $000 |
| 1000000000 | Machine tool parts and accessories | 0 | 579435 | 0 | 33815 |
| 2710003070 | Quenching or cutting oils | 0 | 79 | 0 | 6 |
| 8428900010 | Industrial robots for lifting, handling, loading or unload | 1981 | 43625 | 161 | 4025 |
| 8456101010 | Laser, light or photon beam for working metal, NC | 121 | 18124 | 13 | 2596 |
| 101020 | Laser, light or photon beam for working metal, non-NC | 48 | 4954 | 8 | 1003 |
| 105000 | Laser, light or photon beam for other materials | 2125 | 6935 | 59 | 1907 |
| 201010 | Ultrasonic processes for working metal, NC | 6 | 952 | 0 | 0 |
| 201050 | Ultrasonic processes for working metal, non-NC | 12 | 29 | 0 | 0 |
| 205000 | Ultrasonic processes for working other materials | 148 | 1163 | 5 | 528 |
| 8477106010 | Injection molding mach., for rubber or oth. thermosetting | 1029 | 90553 | 90 | 6131 |
| 106050 | Injection molding mach., for thermoplastics | 2685 | 268022 | 246 | 24395 |
| 200010 | Extruders for rubber or other thermosetting materials | 216 | 24197 | 15 | 3176 |
| 200050 | Extruders for processing thermoplastics | 731 | 43996 | 86 | 6590 |
| 300000 | Blow molding machines | 302 | 43082 | 38 | 4266 |
| 400000 | Vacuum-molding and other thermoforming machines | 315 | 15800 | 33 | 925 |
| 8479899040 | Industrial robots, n.e.c. | 23945 | 137767 | 1116 | 11559 |
| 908040 | Industrial robot parts | 0 | 47214 | 0 | 3483 |
| 8537100030 | Numerical controls for controlling machine tools | 13534 | 52862 | 829 | 4074 |
| 9024100000 | Machines and appliances for testing metals | 0 | 14217 | 0 | 1689 |
| 9031100000 | Machines for balancing mechanical parts | 0 | 10405 | 0 | 191 |
| 300000 | Profile projectors | 0 | 4925 | 0 | 263 |
| 9032810020 | Industrial process control instr., hydraulic | 211812 | 2846 | 17080 | 194 |
| 810060 | Industrial process control instr., pneumatic | 168982 | 3419 | 51115 | 518 |

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 89

Metal Forming

| | Belgium | | Brazil | | Canada | | France | | Italy | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 0 | 0 | 0 | 0 | 14 | 269 | 0 | 0 | 0 | 0 |
| 8462100030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 119 |
| 100050 | 0 | 0 | 0 | 0 | 6 | 337 | 6 | 162 | 4 | 22 |
| 210080 | 0 | 0 | 0 | 0 | 5 | 221 | 0 | 0 | 0 | 0 |
| 290030 | 4 | 90 | 0 | 0 | 14 | 400 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| 290050 | 2 | 18 | 0 | 0 | 17 | 1451 | 0 | 0 | 10 | 435 |
| 310080 | 4 | 83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 9 | 204 | 0 | 0 | 8 | 168 | 0 | 0 | 0 | 0 |
| 410080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 490050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 81 |
| 910060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 910090 | 0 | 0 | 0 | 0 | 3 | 251 | 0 | 0 | 54 | 368 |
| 990030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990060 | 0 | 0 | 0 | 0 | 19 | 1234 | 0 | 0 | 0 | 0 |
| 8463100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 83 | 0 | 0 |
| 300080 | 23 | 2094 | 0 | 0 | 2 | 85 | 0 | 0 | 11 | 369 |
| 900080 | 2 | 10 | 0 | 0 | 1 | 80 | 0 | 0 | 4 | 283 |
| 9800000002 | 7 | 122 | 0 | 0 | 12 | 266 | 0 | 0 | 2 | 284 |
| 9900000002 | 0 | 0 | 0 | 0 | 53 | 10 | 0 | 0 | 100 | 3 |
| Month Tot | 51 | 2619 | 0 | 0 | 154 | 4770 | 7 | 245 | 197 | 1969 |
| Y-T-D Tot | 527 | 22677 | 254 | 4520 | 4493 | 50649 | 133 | 1796 | 1323 | 27818 |
| NC YTD Tot | 49 | 1670 | 0 | 0 | 29 | 2024 | 10 | 235 | 76 | 3742 |
| C&F Month | 56 | 3249 | 87 | 480 | 322 | 7130 | 152 | 2272 | 3281 | 6526 |
| C&F Y-T-D | 908 | 28169 | 1309 | 11936 | 8140 | 71472 | 1767 | 23764 | 37866 | 79894 |
| C&F NC YTD | 60 | 2054 | 40 | 1254 | 153 | 5914 | 71 | 4030 | 236 | 19533 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 85 | 0 | 75 | 0 | 3024 | 0 | 637 | 0 | 1877 |
| 2710003070 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| 8428900010 | 0 | 0 | 0 | 0 | 75 | 1005 | 0 | 0 | 0 | 0 |
| 8456101010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105000 | 0 | 0 | 0 | 0 | 1 | 15 | 1 | 110 | 0 | 0 |
| 201010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 205000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 181 |
| 8477106010 | 0 | 0 | 0 | 0 | 4 | 502 | 5 | 425 | 3 | 300 |
| 106050 | 0 | 0 | 0 | 0 | 50 | 5049 | 1 | 12 | 18 | 3294 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 503 |
| 200050 | 0 | 0 | 0 | 0 | 11 | 288 | 0 | 0 | 8 | 1168 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1845 | 0 | 0 |
| 400000 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| 8479899040 | 0 | 0 | 0 | 0 | 3 | 568 | 0 | 0 | 0 | 0 |
| 908040 | 0 | 0 | 0 | 0 | 0 | 35 | 0 | 258 | 0 | 15 |
| 8537100030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 49 |
| 9024100000 | 0 | 0 | 0 | 0 | 0 | 119 | 0 | 3 | 0 | 21 |
| 9031100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 9032810020 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 0 |
| 810060 | 0 | 0 | 0 | 0 | 1742 | 87 | 0 | 0 | 1023 | 11 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 89

Metal Forming

| | Japan | | Korea | | Singapore | | Spain | | Sweden | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 6 | 3185 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8462100030 | 3 | 289 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 28 | 7931 | 10 | 141 | 0 | 0 | 8 | 8 | 0 | 0 |
| 210080 | 32 | 1638 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 736 |
| 290030 | 2 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 2 | 316 | 0 | 0 | 0 | 0 | 2 | 7 | 8 | 271 |
| 310080 | 1 | 414 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 1 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 16 |
| 410080 | 11 | 1166 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 490050 | 2 | 25 | 0 | 0 | 0 | 0 | 30 | 258 | 0 | 0 |
| 910060 | 8 | 1499 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 910090 | 66 | 167 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990030 | 1 | 378 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990060 | 51 | 1724 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 0 |
| 8463100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200080 | 2 | 69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 35 | 935 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 19 | 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9800000002 | 4 | 21 | 6 | 100 | 0 | 0 | 0 | 0 | 3 | 358 |
| 9900000002 | 74 | 50 | 0 | 0 | 0 | 0 | 40 | 47 | 0 | 0 |
| Month Tot | 348 | 19926 | 16 | 241 | 0 | 0 | 82 | 325 | 19 | 1381 |
| Y-T-D Tot | 5537 | 294529 | 91 | 635 | 68 | 862 | 666 | 3094 | 419 | 10879 |
| NC YTD Tot | 950 | 53967 | 0 | 0 | 0 | 0 | 2 | 71 | 16 | 1974 |
| C&F Month | 13702 | 96154 | 510 | 2389 | 83 | 1710 | 244 | 1784 | 113 | 2921 |
| C&F Y-T-D | 79911 | 1337159 | 6515 | 28297 | 964 | 18760 | 2829 | 22630 | 3179 | 24518 |
| C&F NC YTD | 9369 | 939212 | 170 | 11006 | 204 | 10065 | 532 | 5841 | 33 | 4697 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 10721 | 0 | 186 | 0 | 767 | 0 | 92 | 0 | 484 |
| 2710003070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8428900010 | 66 | 2090 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 58 |
| 8456101010 | 8 | 2221 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105000 | 30 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 205000 | 2 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8477106010 | 38 | 3931 | 3 | 170 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106050 | 49 | 6463 | 2 | 93 | 1 | 24 | 0 | 0 | 0 | 0 |
| 200010 | 7 | 1407 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200050 | 5 | 2377 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300000 | 1 | 363 | 0 | 0 | 0 | 0 | 1 | 19 | 0 | 0 |
| 400000 | 27 | 83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8479899040 | 1060 | 10188 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 358 |
| 908040 | 0 | 1912 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 8537100030 | 735 | 3976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9024100000 | 0 | 193 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9031100000 | 0 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300000 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9032810020 | 2 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 810060 | 335 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 567 | 96 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 89

Metal Forming

| | Switzerland | | Taiwan | | U.K. | | West Germany | | All Other | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 3 | 53 | 0 | 0 | 2 | 25 | 0 | 0 | 0 | 0 |
| 8462100030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 0 | 0 | 1 | 7 | 13 | 2243 | 3 | 180 | 10 | 399 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 391 | 6 | 283 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 13 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 48 |
| 290050 | 2 | 53 | 3 | 462 | 0 | 0 | 11 | 1365 | 10 | 97 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 211 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 26 | 160 | 0 | 0 | 4 | 62 |
| 410080 | 1 | 44 | 0 | 0 | 0 | 0 | 8 | 956 | 1 | 337 |
| 490050 | 0 | 0 | 2 | 117 | 0 | 0 | 44 | 445 | 0 | 0 |
| 910060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 910090 | 0 | 0 | 5 | 36 | 1 | 15 | 8 | 74 | 3 | 32 |
| 990030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990060 | 0 | 0 | 6 | 101 | 1 | 5 | 24 | 794 | 1 | 62 |
| 8463100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 1 | 520 | 3 | 54 | 2 | 20 | 8 | 326 | 0 | 0 |
| 900080 | 3 | 547 | 0 | 0 | 1 | 24 | 8 | 493 | 2 | 163 |
| 9800000002 | 7 | 7 | 1908 | 186 | 50 | 202 | 127 | 176 | 18 | 377 |
| 9900000002 | 22 | 9 | 572 | 168 | 93 | 55 | 34 | 18 | 186 | 66 |
| Month Tot | 39 | 1233 | 2500 | 1131 | 189 | 2748 | 282 | 5434 | 244 | 1938 |
| Y-T-D Tot | 1687 | 17506 | 11941 | 9355 | 1182 | 16793 | 1849 | 67485 | 9032 | 18946 |
| NC YTD Tot | 33 | 4713 | 25 | 1046 | 10 | 568 | 254 | 21785 | 92 | 5930 |
| C&F Month | 188 | 7822 | 33242 | 10635 | 567 | 11081 | 802 | 37315 | 7629 | 7576 |
| C&F Y-T-D | 3447 | 104478 | 488134 | 141475 | 8469 | 97465 | 12709 | 338728 | 141662 | 77904 |
| C&F NC YTD | 254 | 36362 | 1176 | 31581 | 778 | 43191 | 1182 | 167836 | 477 | 18463 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 1761 | 0 | 1829 | 0 | 2008 | 0 | 7642 | 0 | 2626 |
| 2710003070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8428900010 | 4 | 183 | 0 | 0 | 7 | 670 | 8 | 19 | 0 | 0 |
| 8456101010 | 1 | 210 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 165 |
| 101020 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 1003 | 0 | 0 |
| 105000 | 20 | 7 | 0 | 0 | 2 | 778 | 1 | 355 | 4 | 630 |
| 201010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 205000 | 0 | 0 | 0 | 0 | 2 | 339 | 0 | 0 | 0 | 0 |
| 8477106010 | 3 | 138 | 4 | 294 | 6 | 32 | 23 | 339 | 0 | 0 |
| 106050 | 14 | 2996 | 16 | 1195 | 8 | 360 | 71 | 3225 | 16 | 1684 |
| 200010 | 2 | 278 | 0 | 0 | 2 | 47 | 2 | 940 | 0 | 0 |
| 200050 | 0 | 0 | 4 | 110 | 23 | 282 | 35 | 2364 | 0 | 0 |
| 300000 | 0 | 0 | 1 | 19 | 0 | 0 | 26 | 2020 | 0 | 0 |
| 400000 | 0 | 0 | 1 | 16 | 0 | 0 | 3 | 653 | 1 | 171 |
| 8479899040 | 0 | 0 | 0 | 0 | 2 | 94 | 3 | 180 | 42 | 172 |
| 908040 | 0 | 49 | 0 | 12 | 0 | 326 | 0 | 774 | 0 | 79 |
| 8537100030 | 1 | 31 | 0 | 0 | 0 | 0 | 80 | 12 | 1 | 6 |
| 9024100000 | 0 | 50 | 0 | 1 | 0 | 611 | 0 | 175 | 0 | 516 |
| 9031100000 | 0 | 5 | 0 | 10 | 0 | 64 | 0 | 0 | 0 | 60 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 184 | 0 | 0 | 0 | 42 |
| 9032810020 | 294 | 8 | 0 | 0 | 3500 | 13 | 2 | 33 | 13280 | 110 |
| 810060 | 0 | 0 | 4550 | 45 | 1 | 3 | 42892 | 267 | 5 | 3 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
December 89

| | METAL CUTTING | | METAL FORMING | | TOTAL | |
|---|---|---|---|---|---|---|
| | UNITS | $000 | UNITS | $000 | UNITS | $000 |
| **EUROPE** | | | | | | |
| Austria | 9 | 169 | 1 | 159 | 10 | 328 |
| Bulgaria | 0 | 0 | 0 | 0 | 0 | 0 |
| Czechoslovakia | 4 | 47 | 0 | 0 | 4 | 47 |
| Denmark | 28 | 139 | 27 | 87 | 55 | 226 |
| East Germany | 4 | 179 | 0 | 0 | 4 | 179 |
| Finland | 1 | 94 | 7 | 502 | 8 | 596 |
| Hungary | 5 | 709 | 0 | 0 | 5 | 709 |
| Ireland | 0 | 0 | 0 | 0 | 0 | 0 |
| Luxembourg | 0 | 0 | 2 | 5 | 2 | 5 |
| Netherlands | 4 | 516 | 21 | 180 | 25 | 697 |
| Norway | 1 | 12 | 1 | 51 | 2 | 63 |
| Poland | 37 | 691 | 0 | 0 | 37 | 691 |
| Portugal | 0 | 0 | 6 | 83 | 6 | 83 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 |
| USSR | 1 | 22 | 0 | 0 | 1 | 22 |
| Yugoslavia | 15 | 172 | 2 | 227 | 17 | 399 |
| Oth Europe | 33 | 32 | 6 | 167 | 39 | 199 |
| TOTAL | 4679 | 59797 | 939 | 17415 | 5618 | 77213 |
| **NORTH AND CENTRAL AMERICA** | | | | | | |
| Barbados | 0 | 0 | 0 | 0 | 0 | 0 |
| Dominican Rep | 1 | 2 | 0 | 0 | 1 | 2 |
| Mexico | 396 | 87 | 18 | 46 | 414 | 133 |
| Oth N & C Am. | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 565 | 2448 | 172 | 4816 | 737 | 7264 |
| **SOUTH AMERICA** | | | | | | |
| Argentina | 2 | 13 | 0 | 0 | 2 | 13 |
| Chile | 0 | 0 | 0 | 0 | 0 | 0 |
| Colombia | 0 | 0 | 0 | 0 | 0 | 0 |
| Paraguay | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 |
| Uruguay | 0 | 0 | 0 | 0 | 0 | 0 |
| Venezuela | 0 | 0 | 0 | 0 | 0 | 0 |
| Oth South Am. | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 89 | 493 | 0 | 0 | 89 | 493 |
| **OCEANIA** | | | | | | |
| Australia | 3 | 218 | 1 | 310 | 4 | 528 |
| New Zealand | 3 | 5 | 0 | 0 | 3 | 5 |
| Oth Oceania | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 6 | 224 | 1 | 310 | 7 | 534 |

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
December 89

| | METAL CUTTING | | METAL FORMING | | TOTAL | |
|---|---|---|---|---|---|---|
| | UNITS | $000 | UNITS | $000 | UNITS | $000 |
| ASIA | | | | | | |
| China | 6777 | 1788 | 151 | 95 | 6928 | 1883 |
| Hong Kong | 45 | 99 | 0 | 0 | 45 | 99 |
| India | 8 | 156 | 0 | 0 | 8 | 156 |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 0 |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 |
| Israel | 8 | 487 | 1 | 26 | 9 | 513 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 0 |
| Pakistan | 0 | 0 | 0 | 0 | 0 | 0 |
| Philippines | 0 | 0 | 0 | 0 | 0 | 0 |
| Thailand | 0 | 0 | 0 | 0 | 0 | 0 |
| Oth Asia | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 51511 | 92120 | 3016 | 21419 | 54527 | 113539 |
| AFRICA | | | | | | |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 |
| Kenya | 0 | 0 | 0 | 0 | 0 | 0 |
| Niger | 0 | 0 | 0 | 0 | 0 | 0 |
| South Africa | 0 | 0 | 0 | 0 | 0 | 0 |
| Swaziland | 0 | 0 | 0 | 0 | 0 | 0 |
| Oth Africa | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Cutting Machine Tools - December 89

RELEASED: February 28, 1990

| | | TOTAL YTD | | TOTAL MO. | |
|---|---|---|---|---|---|
| | | UNITS | $000 | UNITS | $000 |
| 8456300000 | Electro-discharge machines | 344 | 5082 | 8 | 432 |
| 8457100015 | Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(25") | 31 | 4918 | 1 | 153 |
| 100025 | Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26") | 9 | 1343 | 1 | 87 |
| 100035 | Horiz. mach. ctrs., ATC | 45 | 19679 | 2 | 1546 |
| 100045 | Mach. ctrs., n.e.c. | 295 | 19796 | 33 | 1955 |
| 200010 | Unit construction mach. (single station transfer), NC | 3 | 2683 | 0 | 0 |
| 200090 | Unit construction mach. (single station transfer), non-NC | 8 | 4445 | 0 | 0 |
| 300010 | Multi-station transfer machines, NC | 10 | 17348 | 2 | 4617 |
| 300090 | Multi-station transfer machines, non-NC | 18 | 3918 | 1 | 400 |
| 8458110010 | Horiz. lathes, multiple spindle, NC | 4 | 634 | 1 | 100 |
| 110030 | Horiz. lathes, power rating under 18.65 kW (25 HP), NC | 184 | 15356 | 11 | 931 |
| 110050 | Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC | 50 | 9433 | 2 | 737 |
| 110090 | Horiz. lathes, power rating over 37.3 kW (50 HP), NC | 8 | 1767 | 0 | 0 |
| 190030 | Horiz. engine or toolroom lathes, non-NC | 96 | 2221 | 9 | 235 |
| 190050 | Automatic bar and/or chucking mach., single spindle, non-NC | 20 | 109 | 1 | 5 |
| 190070 | Automatic bar and/or chucking mach., mult. spindle, non-NC | 42 | 2945 | 3 | 183 |
| 190090 | Horiz. lathes, n.e.c., non-NC | 266 | 3588 | 21 | 268 |
| 911060 | Vertical turret lathes, multiple spindle, NC | 0 | 0 | 0 | 0 |
| 911080 | Vertical turret lathes, n.e.c., NC | 5 | 863 | 0 | 0 |
| 915050 | Vertical lathes, excl. VTL's, mult. spindle, NC | 2 | 539 | 0 | 0 |
| 915070 | Vertical lathes, excl. VTL's, n.e.c., NC | 13 | 1448 | 2 | 300 |
| 991050 | Vertical turret lathes, non-NC | 23 | 698 | 3 | 49 |
| 995090 | Vertical lathes, n.e.c., excl. VTL's, non-NC | 71 | 3537 | 10 | 331 |
| 8459100000 | Way-type unit head machines | 17 | 3318 | 0 | 0 |
| 210080 | Other drilling machines, NC | 107 | 7765 | 9 | 398 |
| 290040 | Drilling machines, multiple spindle, non-NC | 22 | 1240 | 2 | 97 |
| 290050 | Drilling machines, radial, non-NC | 25 | 963 | 0 | 0 |
| 290070 | Drilling, upright, ex. sensitive, turret & deep hole, non-NC | 68 | 953 | 0 | 0 |
| 290090 | Drilling machines, n.e.c., non-NC | 531 | 6009 | 51 | 236 |
| 310010 | Boring-milling mach., horiz. spind., table, excl. planer, NC | 7 | 2588 | 2 | 790 |
| 310040 | Boring-milling mach., horiz. spindle, n.e.c., NC | 4 | 738 | 1 | 96 |
| 310070 | Boring-milling mach., n.e.c., NC | 33 | 2492 | 1 | 55 |
| 390040 | Boring-milling mach., horiz. spindle, n.e.c., non-NC | 3 | 247 | 0 | 0 |
| 390050 | Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC | 103 | 2100 | 0 | 0 |
| 400040 | Boring machines, vertical, NC | 4 | 1294 | 0 | 0 |
| 400050 | Boring machines, vertical, non-NC | 41 | 1167 | 2 | 28 |
| 400070 | Boring machines, n.e.c., NC | 1 | 1350 | 0 | 0 |
| 400080 | Boring machines, n.e.c., non-NC | 55 | 3618 | 2 | 300 |
| 510080 | Milling machines, knee type, NC | 25 | 1699 | 0 | 0 |
| 590030 | Milling machines, knee type, non-NC | 54 | 2342 | 5 | 157 |
| 610080 | Milling machines, excl. knee type, n.e.c., NC | 60 | 8177 | 11 | 438 |
| 690050 | Milling machines, profile, dup., or die sinking, non-NC | 24 | 1290 | 2 | 149 |
| 690070 | Milling machines, bed type, non-NC | 55 | 7023 | 0 | 0 |
| 690090 | Milling machines, n.e.c., non-NC | 303 | 6716 | 4 | 94 |
| 700020 | Threading or tapping machines, n.e.c., NC | 34 | 2030 | 5 | 819 |
| 700080 | Threading or tapping machines, n.e.c., non-NC | 286 | 6635 | 23 | 192 |
| 8460110080 | Flat surface grinding mach., NC | 153 | 11682 | 16 | 629 |
| 190010 | Flat surface grinding mach., recip.-table type, non-NC | 137 | 1823 | 12 | 146 |
| 190050 | Flat surface grinding mach., n.e.c., non-NC | 98 | 8715 | 1 | 80 |
| 210080 | Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC | 321 | 27305 | 6 | 2355 |
| 290010 | Grinding mach., external cylindrical, (incl. univ.), non-NC | 45 | 5835 | 3 | 1195 |
| 290030 | Grinding mach., internal cylindrical, non-NC | 59 | 5919 | 3 | 1321 |
| 290050 | Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC | 474 | 21481 | 41 | 1591 |
| 310080 | Sharpening machines (tool & cutter grinding), NC | 57 | 5741 | 15 | 538 |
| 390050 | Sharpening machines (tool & cutter grinding), non-NC | 1204 | 11593 | 183 | 1555 |
| 400060 | Honing or lapping machines, NC | 2 | 58 | 0 | 0 |
| 400080 | Honing or lapping machines, non-NC | 741 | 9784 | 27 | 903 |
| 900060 | Grinding, honing, polishing, & lapping mach., n.e.c., NC | 35 | 3653 | 2 | 50 |
| 900080 | Grinding, honing, polishing, & lapping mach., n.e.c., non-NC | 630 | 14786 | 72 | 1822 |
| 8461100060 | Planing machines, NC | 6 | 3712 | 0 | 0 |
| 100080 | Planing machines, non-NC | 176 | 6065 | 7 | 116 |
| 200010 | Shaping or slotting machines, NC | 0 | 0 | 0 | 0 |
| 200090 | Shaping or slotting machines, non-NC | 56 | 1356 | 15 | 181 |
| 300060 | Broaching machines, NC | 4 | 369 | 1 | 18 |
| 300080 | Broaching machines, non-NC | 53 | 2364 | 0 | 0 |
| 401050 | Gear hobbers | 78 | 6909 | 16 | 1123 |
| 401070 | Gear shapers | 67 | 5561 | 1 | 39 |
| 401090 | Gear cutting machines, n.e.c. | 87 | 32273 | 16 | 14213 |
| 405060 | Gear grinding or finishing machines | 62 | 9141 | 5 | 166 |
| 500050 | Sawing or cutting-off machines, NC | 37 | 1907 | 0 | 0 |
| 500090 | Sawing or cutting-off machines, non-NC | 1073 | 14108 | 113 | 1364 |
| 9000000001 | Metal cutting machine tools, n.e.c. | 371 | 13697 | 50 | 1398 |
| 9800000001 | Used or rebuilt machine tools | 6033 | 53927 | 407 | 5083 |
| 9900000001 | Machine tools valued at less than $2,500 | 40171 | 14963 | 1664 | 1051 |
| | Cutting Total | | | 2907 | 53115 |
| | Y-T-D Cutting Total | 55639 | 488833 | | |
| | NC Y-T-D Cutting Total* | 1633 | 184588 | | |

Please see notes on last page of the metal forming section.

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| | Australia | | Austria | | Belgium | | Brazil | | Canada | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8457100015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 87 |
| 100035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1546 |
| 100045 | 0 | 0 | 0 | 0 | 5 | 682 | 0 | 0 | 16 | 804 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 95 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 737 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 42 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 16 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 50 | 1 | 27 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 115 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 32 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 790 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 55 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 300 | 0 | 0 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 3 | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 51 |
| 610080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 81 |
| 700080 | 8 | 56 | 0 | 0 | 1 | 73 | 0 | 0 | 1 | 4 |
| 8460110080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 83 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 710 |
| 290010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 566 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 362 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 27 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 3 | 22 | 0 | 0 | 0 | 0 | 4 | 63 | 39 | 293 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 5 | 38 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 0 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 50 |
| 900080 | 2 | 55 | 2 | 21 | 2 | 19 | 0 | 0 | 6 | 62 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 70 |
| 300060 | 1 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 39 |
| 401090 | 2 | 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 100 |
| 405060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 1 | 15 | 0 | 0 | 0 | 0 | 2 | 17 | 30 | 327 |
| 9000000001 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 1 | 9 |
| 9800000001 | 8 | 54 | 0 | 0 | 0 | 0 | 16 | 285 | 67 | 453 |
| 9900000001 | 10 | 7 | 0 | 0 | 6 | 4 | 6 | 4 | 526 | 84 |
| Month Tot | 43 | 1554 | 2 | 21 | 14 | 777 | 36 | 1521 | 738 | 6927 |
| Y-T-D Tot | 821 | 11154 | 60 | 1274 | 204 | 7626 | 581 | 11815 | 24189 | 68369 |
| NC YTD Tot* | 15 | 1646 | 5 | 646 | 45 | 5149 | 49 | 4871 | 243 | 28133 |

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| | China | | France | | India | | Indonesia | | Italy | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8457100015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 5 | 473 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 0 | 0 | 3 | 158 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 610080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8460110080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190050 | 1 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 1 | 520 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290030 | 1 | 916 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 56 | 363 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 295 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 1 | 5 | 1 | 603 | 0 | 0 | 2 | 52 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 0 | 0 | 0 | 0 | 2 | 17 | 0 | 0 | 7 | 913 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 405060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 |
| 9000000001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 45 |
| 9800000001 | 32 | 2187 | 15 | 63 | 9 | 56 | 0 | 0 | 3 | 41 |
| 9900000001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101 | 40 |
| Month Tot | 95 | 4019 | 21 | 767 | 12 | 675 | 0 | 0 | 118 | 1406 |
| Y-T-D Tot | 660 | 29051 | 853 | 11814 | 243 | 11604 | 102 | 4155 | 931 | 14764 |
| NC YTD Tot* | 107 | 16179 | 53 | 7875 | 7 | 2010 | 6 | 1968 | 19 | 1443 |

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| | Japan | | Korea | | Malaysia | | Mexico | | Netherlands | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8457100015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 174 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 100 | 0 | 0 |
| 110030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 |
| 190070 | 2 | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 43 | 0 | 0 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 1 | 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 221 | 0 | 0 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 1 | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 96 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 610080 | 0 | 0 | 8 | 298 | 0 | 0 | 1 | 75 | 0 | 0 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 2 | 38 | 0 | 0 | 1 | 36 | 0 | 0 |
| 700020 | 2 | 738 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 41 | 0 | 0 |
| 8460110080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 25 | 2 | 97 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 63 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 1 | 610 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290010 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 540 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 1 | 5 | 0 | 0 | 0 | 0 | 3 | 82 | 0 | 0 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 13 | 83 | 28 | 183 | 2 | 10 | 9 | 64 | 0 | 0 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 | 0 | 0 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 12 | 128 | 4 | 22 | 0 | 0 | 11 | 351 | 2 | 11 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 91 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 405060 | 0 | 0 | 1 | 60 | 0 | 0 | 4 | 107 | 0 | 0 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 3 | 22 | 8 | 143 | 0 | 0 | 10 | 102 | 5 | 43 |
| 9000000001 | 7 | 58 | 0 | 0 | 0 | 0 | 10 | 148 | 1 | 50 |
| 9800000001 | 9 | 238 | 0 | 0 | 0 | 0 | 69 | 503 | 85 | 527 |
| 9900000001 | 295 | 188 | 43 | 32 | 0 | 0 | 67 | 41 | 0 | 0 |
| Month Tot | 348 | 2334 | 94 | 775 | 2 | 10 | 227 | 2949 | 95 | 729 |
| Y-T-D Tot | 3633 | 30662 | 1682 | 35951 | 103 | 1000 | 7360 | 60250 | 540 | 4598 |
| NC YTD Tot* | 146 | 10524 | 146 | 13881 | 3 | 135 | 173 | 12868 | 23 | 2096 |

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| | Singapore | | Spain | | Switzerland | | Taiwan | | Thailand | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 0 | 0 | 0 | 0 | 7 | 401 | 0 | 0 | 0 | 0 |
| 8457100015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 400 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 146 | 0 | 0 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 189 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 2 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 1 | 12 | 0 | 0 | 0 | 0 | 43 | 195 | 0 | 0 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 610080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8460110080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 114 | 0 | 0 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 3 | 35 | 0 | 0 | 1 | 21 | 1 | 3 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 0 | 0 | 0 | 0 | 3 | 41 | 1 | 10 | 0 | 0 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 1 | 111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 405060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 | 0 | 0 |
| 9000000001 | 0 | 0 | 0 | 0 | 3 | 45 | 3 | 22 | 1 | 10 |
| 9800000001 | 0 | 0 | 2 | 14 | 0 | 0 | 31 | 69 | 7 | 14 |
| 9900000001 | 84 | 86 | 0 | 0 | 8 | 5 | 21 | 12 | 18 | 12 |
| Month Tot | 88 | 265 | 5 | 49 | 21 | 492 | 122 | 800 | 28 | 439 |
| Y-T-D Tot | 894 | 7885 | 240 | 3156 | 309 | 4006 | 746 | 9636 | 136 | 2635 |
| MC YTD Tot* | 36 | 2453 | 3 | 841 | 17 | 1649 | 49 | 3660 | 19 | 793 |

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - December 89

| | U.K. | | USSR | | Venezuela | | West Germany | | All Other | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 | 0 | 0 |
| 8457100015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 153 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 7 | 152 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 143 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 2 | 4617 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 363 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 1 | 4 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 111 | 0 | 0 |
| 190090 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 58 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 2 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 21 |
| 995090 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 16 | 1 | 17 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 125 | 4 | 102 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 26 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 28 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 610080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 66 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 149 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 18 |
| 8460110080 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 353 | 3 | 155 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 255 | 1 | 260 |
| 290010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 89 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 43 | 0 | 0 |
| 290050 | 33 | 1458 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 19 |
| 310080 | 14 | 497 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 41 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 65 | 0 | 0 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 1 | 16 | 0 | 0 | 0 | 0 | 4 | 28 | 6 | 70 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 3 | 30 | 0 | 0 | 1 | 7 | 6 | 56 | 8 | 80 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 25 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 526 | 1 | 597 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401090 | 0 | 0 | 7 | 8997 | 0 | 0 | 1 | 434 | 5 | 3483 |
| 405060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 35 | 450 | 0 | 0 | 0 | 0 | 3 | 32 | 14 | 173 |
| 9000000001 | 1 | 8 | 0 | 0 | 4 | 37 | 9 | 282 | 6 | 680 |
| 9800000001 | 23 | 75 | 0 | 0 | 0 | 0 | 14 | 264 | 17 | 239 |
| 9900000001 | 123 | 79 | 0 | 0 | 0 | 0 | 77 | 50 | 279 | 407 |
| Month Tot | 246 | 7415 | 7 | 8997 | 5 | 44 | 160 | 2861 | 380 | 7291 |
| Y-T-D Tot | 2912 | 60151 | 96 | 20925 | 307 | 5531 | 1882 | 31271 | 6155 | 39549 |
| MC YTD Tot* | 199 | 38890 | 22 | 3238 | 10 | 701 | 93 | 11078 | 145 | 11861 |

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 89

RELEASED: February 28, 1990

| Metal Forming Machine Tools | | TOTAL YTD UNITS | TOTAL YTD $000 | TOTAL MO. UNITS | TOTAL MO. $000 |
|---|---|---|---|---|---|
| 8454300010 | Die casting machines | 535 | 8753 | 20 | 588 |
| 8462100030 | Headers and upsetters, including cold headers | 121 | 20859 | 10 | 2168 |
| 100050 | Forging or die stamping machines, and hammers, n.e.c. | 681 | 20262 | 27 | 1272 |
| 210080 | Bending, folding, straight, or flat, mach., incl presses, NC | 312 | 21357 | 12 | 965 |
| 290030 | Press brakes, non-NC | 33 | 1308 | 2 | 41 |
| 290040 | Bending rolls, non-NC | 56 | 1686 | 3 | 92 |
| 290050 | Bending, folding, straight., or flat., n.e.c., non-NC | 618 | 22357 | 49 | 1239 |
| 310080 | Shearing machines, NC | 59 | 4249 | 5 | 283 |
| 390050 | Shearing machines, non-NC | 274 | 5471 | 31 | 1108 |
| 410080 | Punching or notching mach., incl. comb. punch & shear, NC | 162 | 23923 | 18 | 1655 |
| 490050 | Punching or notching mach., incl. comb. punch & sh., non-NC | 772 | 23777 | 74 | 2097 |
| 910060 | Hydraulic presses, NC | 87 | 6697 | 4 | 1932 |
| 910090 | Hydraulic presses, non-NC | 595 | 25652 | 48 | 2876 |
| 990030 | Presses, n.e.c., NC | 64 | 7435 | 10 | 1048 |
| 990040 | Presses, mechanical, non-NC | 223 | 13211 | 60 | 3340 |
| 990060 | Presses, n.e.c., non-NC | 675 | 39407 | 84 | 7639 |
| 8463100080 | Draw benches for bars, tubes, profiles, wire or the like | 273 | 6784 | 23 | 543 |
| 200080 | Thread rolling machines | 42 | 2873 | 3 | 94 |
| 300080 | Machines for working wire | 929 | 31943 | 65 | 2323 |
| 900080 | Metal forming machine tools, n.e.c. | 2035 | 104370 | 110 | 6968 |
| 9800000002 | Used or rebuilt machine tools | 3259 | 63746 | 144 | 2313 |
| 9900000002 | Machine tools valued at less than $2,500 | 6403 | 4837 | 907 | 769 |
| | Forming Total | | | 1709 | 41355 |
| | Y-T-D Forming Total | 18208 | 460956 | | |
| | NC Y-T-D Forming Total | 684 | 63560 | | |
| | Cutting and Forming Totals: | | | | |
| | Monthly Total | | | 4616 | 94469 |
| | Y-T-D Total | 73847 | 949789 | | |
| | NC Y-T-D Total* | 2317 | 248248 | | |

| Other Manufacturing Technology | | TOTAL YTD UNITS | TOTAL YTD $000 | TOTAL MO. UNITS | TOTAL MO. $000 |
|---|---|---|---|---|---|
| 1000000000 | Machine tool parts and accessories | 0 | 714343 | 0 | 56590 |
| 2710003070 | Quenching or cutting oils | 0 | 12692 | 0 | 1077 |
| 8428900010 | Industrial robots for lifting, handling, loading or unload | 838 | 12570 | 67 | 1903 |
| 8456100000 | Laser, light or photon beam for working any material | 2303 | 43081 | 87 | 2662 |
| 200000 | Ultrasonic process for working any material | 92 | 798 | 2 | 38 |
| 8477106010 | Injection molding mach., for rubber or oth. thermosetting | 239 | 21666 | 22 | 1115 |
| 106050 | Injection molding mach., for thermoplastics | 400 | 47037 | 28 | 5673 |
| 200010 | Extruders for rubber or other thermosetting materials | 260 | 11772 | 9 | 1312 |
| 200050 | Extruders for processing thermoplastics | 940 | 35563 | 70 | 1847 |
| 300000 | Blow molding machines | 509 | 28366 | 48 | 1860 |
| 400000 | Vacuum-molding and other thermoforming machines | 1554 | 15110 | 26 | 342 |
| 8479899040 | Industrial robots, n.e.c. | 2417 | 34221 | 178 | 4103 |
| 900040 | Industrial robot parts | 0 | 15601 | 0 | 2462 |
| 8537100030 | Numerical controls for controlling machine tools | 9154 | 40757 | 237 | 3010 |
| 9024100000 | Machines and appliances for testing metals | 0 | 74219 | 0 | 5519 |
| 9031100000 | Machines for balancing mechanical parts | 0 | 21293 | 0 | 1252 |
| 300000 | Profile projectors | 0 | 7997 | 0 | 654 |
| 9032810040 | Industrial process control instr., hydraulic or pneumatic | 778332 | 46924 | 118867 | 4409 |

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine tool Totals and Other Manufacturing Technology
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Metal Forming

| | Australia | | Austria | | Belgium | | Brazil | | Canada | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 0 | 0 | 0 | 0 | 3 | 31 | 0 | 0 | 0 | 0 |
| 8462100030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 518 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 33 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 44 |
| 290050 | 5 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 208 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 80 |
| 410080 | 1 | 182 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 240 |
| 490050 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 43 | 21 | 185 |
| 910060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 55 |
| 910090 | 0 | 0 | 0 | 0 | 2 | 1921 | 0 | 0 | 2 | 235 |
| 990030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 600 | 0 | 0 |
| 990060 | 1 | 19 | 0 | 0 | 1 | 25 | 0 | 0 | 5 | 134 |
| 8463100080 | 0 | 0 | 0 | 0 | 1 | 23 | 0 | 0 | 3 | 48 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 221 | 6 | 139 |
| 900080 | 1 | 7 | 0 | 0 | 0 | 0 | 1 | 680 | 4 | 56 |
| 9800000002 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 | 15 | 177 |
| 9900000002 | 20 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 92 | 79 |
| Month Tot | 29 | 273 | 0 | 0 | 7 | 2000 | 23 | 1562 | 175 | 2265 |
| Y-T-D Tot | 577 | 7094 | 109 | 815 | 145 | 4787 | 204 | 9365 | 2913 | 42396 |
| NC YTD Tot | 28 | 1539 | 0 | 0 | 0 | 0 | 11 | 732 | 146 | 14267 |
| C&F Month | 72 | 1827 | 2 | 21 | 21 | 2777 | 59 | 3083 | 913 | 9192 |
| C&F Y-T-D | 1398 | 18248 | 169 | 2090 | 349 | 12413 | 785 | 21180 | 27102 | 110765 |
| C&F NC YTD* | 43 | 3185 | 5 | 646 | 45 | 5149 | 60 | 5604 | 389 | 42399 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 1184 | 0 | 32 | 0 | 924 | 0 | 645 | 0 | 9040 |
| 2710003070 | 0 | 10 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 109 |
| 8428900010 | 8 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 118 |
| 8456100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 |
| 200000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8477106010 | 0 | 0 | 0 | 0 | 1 | 67 | 0 | 0 | 1 | 26 |
| 106050 | 1 | 41 | 0 | 0 | 0 | 0 | 1 | 608 | 1 | 111 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200050 | 2 | 21 | 0 | 0 | 1 | 20 | 16 | 397 | 9 | 363 |
| 300000 | 1 | 582 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 396 |
| 400000 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 100 |
| 8479899040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 135 |
| 900040 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 184 |
| 8537100030 | 1 | 8 | 0 | 0 | 1 | 11 | 0 | 0 | 7 | 116 |
| 9024100000 | 0 | 274 | 0 | 87 | 0 | 47 | 0 | 117 | 0 | 771 |
| 9031100000 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 420 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81 |
| 9032810040 | 1837 | 110 | 2715 | 139 | 1992 | 100 | 254 | 16 | 26742 | 565 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

| | China | | France | | India | | Indonesia | | Italy | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 3 | 443 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8462100030 | 2 | 38 | 2 | 913 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 0 | 0 | 1 | 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 1 | 145 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 1 | 14 | 0 | 0 | 0 | 0 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 410080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 490050 | 0 | 0 | 1 | 18 | 2 | 71 | 0 | 0 | 0 | 0 |
| 910060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 910090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 72 |
| 990030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990040 | 0 | 0 | 1 | 1120 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990060 | 0 | 0 | 6 | 179 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8463100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1092 |
| 900080 | 4 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 992 |
| 9800000002 | 1 | 20 | 6 | 120 | 0 | 0 | 0 | 0 | 3 | 42 |
| 9900000002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Month Tot | 11 | 737 | 19 | 2392 | 3 | 85 | 0 | 0 | 39 | 2232 |
| Y-T-D Tot | 256 | 11700 | 434 | 10636 | 133 | 8919 | 29 | 234 | 258 | 9856 |
| NC YTD Tot | 24 | 1122 | 6 | 691 | 4 | 1067 | 2 | 82 | 6 | 2782 |
| C&F Month | 106 | 4755 | 40 | 3159 | 15 | 760 | 0 | 0 | 157 | 3638 |
| C&F Y-T-D | 916 | 40750 | 1287 | 22450 | 376 | 20523 | 131 | 4389 | 1189 | 24621 |
| C&F NC YTD* | 131 | 17301 | 59 | 8566 | 11 | 3077 | 8 | 2050 | 25 | 4225 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 8823 | 0 | 1743 | 0 | 402 | 0 | 24 | 0 | 1294 |
| 2710003070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 3 |
| 8428900010 | 0 | 0 | 7 | 71 | 1 | 62 | 0 | 0 | 0 | 0 |
| 8456100000 | 21 | 487 | 0 | 0 | 1 | 35 | 0 | 0 | 4 | 78 |
| 200000 | 0 | 0 | 1 | 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8477106010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 4 | 417 | 0 | 0 | 1 | 581 | 0 | 0 | 0 | 0 |
| 200050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 |
| 400000 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 2 | 13 |
| 8479899040 | 4 | 2090 | 1 | 16 | 3 | 129 | 0 | 0 | 5 | 214 |
| 900040 | 0 | 0 | 0 | 111 | 0 | 0 | 0 | 0 | 0 | 55 |
| 8537100030 | 0 | 0 | 38 | 480 | 0 | 0 | 1 | 15 | 9 | 99 |
| 9024100000 | 0 | 73 | 0 | 170 | 0 | 46 | 0 | 29 | 0 | 108 |
| 9031100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| 9032810040 | 1020 | 51 | 1155 | 170 | 0 | 0 | 0 | 0 | 6677 | 393 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

| | Japan | | Korea | | Malaysia | | Mexico | | Netherlands | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 42 | 0 | 0 |
| 8462100030 | 3 | 924 | 2 | 66 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 4 | 554 | 5 | 103 | 0 | 0 | 2 | 197 | 1 | 8 |
| 210080 | 0 | 0 | 1 | 51 | 0 | 0 | 2 | 118 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 1 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 1 | 5 | 1 | 13 | 1 | 15 | 19 | 688 | 0 | 0 |
| 310080 | 0 | 0 | 0 | 0 | 1 | 67 | 3 | 144 | 0 | 0 |
| 390050 | 9 | 148 | 17 | 274 | 0 | 0 | 2 | 37 | 0 | 0 |
| 410080 | 0 | 0 | 1 | 77 | 0 | 0 | 0 | 0 | 1 | 50 |
| 490050 | 6 | 164 | 5 | 628 | 0 | 0 | 6 | 197 | 1 | 146 |
| 910060 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 0 | 0 |
| 910090 | 0 | 0 | 3 | 88 | 0 | 0 | 32 | 367 | 1 | 11 |
| 990030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 57 | 0 | 0 |
| 990060 | 2 | 47 | 1 | 225 | 0 | 0 | 57 | 5121 | 0 | 0 |
| 8463100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 307 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 0 |
| 300080 | 2 | 39 | 0 | 0 | 0 | 0 | 2 | 61 | 0 | 0 |
| 900080 | 24 | 2181 | 1 | 274 | 0 | 0 | 14 | 194 | 1 | 9 |
| 9800000002 | 3 | 783 | 8 | 388 | 0 | 0 | 45 | 439 | 0 | 0 |
| 9900000002 | 23 | 21 | 306 | 260 | 0 | 0 | 170 | 148 | 0 | 0 |
| Month Tot | 78 | 4911 | 351 | 2446 | 2 | 82 | 359 | 7834 | 17 | 531 |
| Y-T-D Tot | 982 | 47480 | 1316 | 62610 | 31 | 1623 | 3466 | 47026 | 412 | 6913 |
| NC YTD Tot | 102 | 8409 | 54 | 4802 | 8 | 1078 | 64 | 4382 | 24 | 2870 |
| C&F Month | 426 | 7245 | 445 | 3221 | 4 | 92 | 586 | 10783 | 112 | 1260 |
| C&F Y-T-D | 4615 | 78142 | 2998 | 98561 | 134 | 2623 | 10826 | 107276 | 952 | 11511 |
| C&F NC YTD* | 248 | 18933 | 200 | 18683 | 11 | 1213 | 237 | 17249 | 47 | 4966 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 4245 | 0 | 1908 | 0 | 285 | 0 | 4223 | 0 | 597 |
| 2710003070 | 0 | 177 | 0 | 5 | 0 | 6 | 0 | 30 | 0 | 0 |
| 8428900010 | 1 | 25 | 1 | 32 | 3 | 4 | 38 | 1256 | 0 | 0 |
| 8456100000 | 33 | 1269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8477106010 | 0 | 0 | 4 | 322 | 0 | 0 | 16 | 699 | 0 | 0 |
| 106050 | 4 | 1277 | 0 | 0 | 0 | 0 | 20 | 3542 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 313 | 0 | 0 |
| 200050 | 24 | 613 | 2 | 52 | 0 | 0 | 0 | 0 | 2 | 50 |
| 300000 | 2 | 7 | 0 | 0 | 0 | 0 | 3 | 200 | 0 | 0 |
| 400000 | 7 | 63 | 0 | 0 | 0 | 0 | 3 | 87 | 0 | 0 |
| 8479899040 | 12 | 109 | 2 | 212 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900040 | 0 | 1709 | 0 | 78 | 0 | 4 | 0 | 3 | 0 | 0 |
| 8537100030 | 2 | 55 | 1 | 12 | 0 | 0 | 4 | 124 | 50 | 437 |
| 9024100000 | 0 | 1107 | 0 | 486 | 0 | 0 | 0 | 239 | 0 | 68 |
| 9031100000 | 0 | 73 | 0 | 225 | 0 | 25 | 0 | 125 | 0 | 0 |
| 300000 | 0 | 0 | 0 | 68 | 0 | 90 | 0 | 0 | 0 | 8 |
| 9032810040 | 13803 | 720 | 1106 | 60 | 0 | 0 | 728 | 81 | 6270 | 344 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

| | Singapore | | Spain | | Switzerland | | Taiwan | | Thailand | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8462100030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 0 | 0 | 1 | 101 | 0 | 0 | 1 | 7 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 32 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 1 | 7 | 0 | 0 | 1 | 23 | 0 | 0 | 1 | 16 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 410080 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 569 | 0 | 0 |
| 490050 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 200 | 0 | 0 |
| 910060 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1700 | 0 | 0 |
| 910090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 165 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990060 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 150 | 0 | 0 |
| 8463100080 | 1 | 26 | 0 | 0 | 4 | 109 | 0 | 0 | 0 | 0 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 2 | 98 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 7 | 1034 | 1 | 14 | 0 | 0 | 17 | 1173 | 0 | 0 |
| 9800000002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 34 |
| 9900000002 | 4 | 3 | 0 | 0 | 17 | 15 | 0 | 0 | 0 | 0 |
| Month Tot | 14 | 1079 | 4 | 213 | 22 | 147 | 38 | 3831 | 46 | 214 |
| Y-T-D Tot | 202 | 8193 | 115 | 4265 | 80 | 1546 | 277 | 22573 | 138 | 3896 |
| NC YTD Tot | 15 | 2546 | 2 | 138 | 8 | 375 | 26 | 4863 | 7 | 621 |
| C&F Month | 102 | 1345 | 9 | 262 | 43 | 639 | 160 | 4630 | 74 | 653 |
| C&F Y-T-D | 1096 | 16079 | 355 | 7421 | 389 | 5552 | 1023 | 32209 | 274 | 6531 |
| C&F NC YTD* | 51 | 4998 | 5 | 979 | 25 | 2025 | 75 | 8523 | 26 | 1414 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 1351 | 0 | 283 | 0 | 629 | 0 | 701 | 0 | 198 |
| 2710003070 | 0 | 12 | 0 | 5 | 0 | 7 | 0 | 234 | 0 | 55 |
| 8428900010 | 0 | 0 | 3 | 232 | 1 | 4 | 0 | 0 | 0 | 0 |
| 8456100000 | 0 | 0 | 0 | 0 | 1 | 195 | 14 | 305 | 0 | 0 |
| 200000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8477106010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106050 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 95 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 116 |
| 300000 | 6 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 |
| 400000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8479899040 | 1 | 10 | 0 | 0 | 3 | 258 | 0 | 0 | 0 | 0 |
| 900040 | 0 | 0 | 0 | 6 | 0 | 4 | 0 | 0 | 0 | 0 |
| 8537100030 | 0 | 0 | 0 | 0 | 1 | 11 | 0 | 0 | 0 | 0 |
| 9024100000 | 0 | 111 | 0 | 57 | 0 | 33 | 0 | 115 | 0 | 0 |
| 9031100000 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300000 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 137 | 0 | 0 |
| 9032810040 | 1035 | 99 | 691 | 45 | 47 | 7 | 6164 | 328 | 31910 | 104 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

| | U.K. | | USSR | | Venezuela | | West Germany | | All Other | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 5 | 13 | 0 | 0 | 0 | 0 | 1 | 8 | 4 | 11 |
| 8462100030 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 227 | 0 | 0 |
| 100050 | 1 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 239 |
| 210080 | 1 | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 34 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 194 | 2 | 33 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 71 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 569 | 0 | 0 |
| 410080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 133 | 2 | 404 |
| 490050 | 3 | 27 | 0 | 0 | 0 | 0 | 3 | 98 | 15 | 322 |
| 910060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 164 |
| 910090 | 1 | 30 | 0 | 0 | 0 | 0 | 2 | 60 | 3 | 91 |
| 990030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 884 |
| 990040 | 4 | 682 | 0 | 0 | 0 | 0 | 37 | 745 | 3 | 136 |
| 990060 | 5 | 97 | 0 | 0 | 0 | 0 | 5 | 1642 | 0 | 0 |
| 8463100080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 71 |
| 300080 | 4 | 59 | 0 | 0 | 0 | 0 | 5 | 45 | 31 | 569 |
| 900080 | 2 | 17 | 0 | 0 | 0 | 0 | 1 | 9 | 9 | 238 |
| 9800000002 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 6 | 16 | 283 |
| 9900000002 | 0 | 0 | 0 | 0 | 10 | 11 | 183 | 156 | 82 | 55 |
| Month Tot | 26 | 1003 | 0 | 0 | 11 | 14 | 246 | 3898 | 189 | 3606 |
| Y-T-D Tot | 1245 | 39704 | 6 | 977 | 255 | 8427 | 1097 | 30225 | 3528 | 69698 |
| NC YTD Tot | 60 | 3529 | 3 | 176 | 3 | 89 | 10 | 1158 | 71 | 6341 |
| C&F Month | 272 | 8418 | 7 | 8997 | 16 | 58 | 406 | 6759 | 569 | 10897 |
| C&F Y-T-D | 4157 | 99854 | 102 | 21901 | 562 | 13958 | 2979 | 61496 | 9683 | 109248 |
| C&F NC YTD* | 259 | 42419 | 25 | 3415 | 13 | 790 | 103 | 12236 | 216 | 18203 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 4732 | 0 | 9 | 0 | 605 | 0 | 4627 | 0 | 8087 |
| 2710003070 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 393 |
| 8428900010 | 1 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8456100000 | 4 | 75 | 0 | 0 | 0 | 0 | 2 | 85 | 6 | 121 |
| 200000 | 1 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8477106010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200050 | 2 | 53 | 0 | 0 | 0 | 0 | 4 | 105 | 2 | 46 |
| 300000 | 16 | 80 | 0 | 0 | 0 | 0 | 1 | 11 | 3 | 519 |
| 400000 | 1 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 |
| 8479899040 | 5 | 132 | 0 | 0 | 0 | 0 | 116 | 729 | 13 | 69 |
| 900040 | 0 | 91 | 0 | 0 | 0 | 0 | 0 | 82 | 0 | 129 |
| 8537100030 | 92 | 1232 | 0 | 0 | 0 | 0 | 16 | 215 | 14 | 196 |
| 9024100000 | 0 | 767 | 0 | 11 | 0 | 0 | 0 | 525 | 0 | 277 |
| 9031100000 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 316 |
| 300000 | 0 | 137 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 119 |
| 9032810040 | 4879 | 379 | 1215 | 15 | 280 | 62 | 2675 | 188 | 5672 | 431 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
December 89

| | METAL CUTTING | | METAL FORMING | | TOTAL | |
|---|---|---|---|---|---|---|
| | UNITS | $000 | UNITS | $000 | UNITS | $000 |
| **EUROPE** | | | | | | |
| Bulgaria | 0 | 0 | 0 | 0 | 0 | 0 |
| Czechoslovakia | 1 | 6 | 0 | 0 | 1 | 6 |
| Denmark | 7 | 11 | 74 | 55 | 81 | 66 |
| East Germany | 0 | 0 | 0 | 0 | 0 | 0 |
| Finland | 5 | 37 | 0 | 0 | 5 | 37 |
| Greece | 18 | 190 | 0 | 0 | 18 | 190 |
| Hungary | 5 | 3483 | 0 | 0 | 5 | 3483 |
| Iceland | 0 | 0 | 0 | 0 | 0 | 0 |
| Ireland | 6 | 489 | 28 | 326 | 34 | 814 |
| Luxembourg | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | 5 | 36 | 0 | 0 | 5 | 36 |
| Poland | 1 | 597 | 0 | 0 | 1 | 597 |
| Portugal | 2 | 124 | 2 | 125 | 4 | 249 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 |
| Sweden | 1 | 16 | 2 | 364 | 3 | 380 |
| Turkey | 0 | 0 | 4 | 92 | 4 | 92 |
| Yugoslavia | 0 | 0 | 1 | 263 | 1 | 263 |
| Oth Europe | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 740 | 28501 | 491 | 13642 | 1231 | 42142 |
| **NORTH AND CENTRAL AMERICA** | | | | | | |
| Bahamas | 0 | 0 | 0 | 0 | 0 | 0 |
| Barbados | 0 | 0 | 1 | 5 | 1 | 5 |
| Belize | 0 | 0 | 0 | 0 | 0 | 0 |
| Bermuda | 0 | 0 | 0 | 0 | 0 | 0 |
| Costa Rica | 0 | 0 | 3 | 34 | 3 | 34 |
| Dominican Rep | 0 | 0 | 1 | 21 | 1 | 21 |
| El Salvador | 0 | 0 | 0 | 0 | 0 | 0 |
| Guatemala | 2 | 66 | 0 | 0 | 2 | 66 |
| Haiti | 0 | 0 | 0 | 0 | 0 | 0 |
| Honduras | 1 | 10 | 6 | 229 | 7 | 239 |
| Jamaica | 0 | 0 | 1 | 10 | 1 | 10 |
| Panama | 1 | 100 | 0 | 0 | 1 | 100 |
| Trinidad | 2 | 14 | 0 | 0 | 2 | 14 |
| Oth N & C Am. | 2 | 22 | 1 | 11 | 3 | 33 |
| TOTAL | 973 | 10088 | 547 | 10410 | 1520 | 20497 |
| **SOUTH AMERICA** | | | | | | |
| Argentina | 0 | 0 | 0 | 0 | 0 | 0 |
| Bolivia | 0 | 0 | 0 | 0 | 0 | 0 |
| Chile | 1 | 4 | 2 | 49 | 3 | 53 |
| Colombia | 22 | 668 | 8 | 154 | 30 | 822 |
| Ecuador | 2 | 6 | 0 | 0 | 2 | 6 |
| Paraguay | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 0 | 0 | 6 | 369 | 6 | 369 |
| Uruguay | 0 | 0 | 0 | 0 | 0 | 0 |
| Oth South Am. | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 66 | 2242 | 50 | 2149 | 116 | 4391 |
| **OCEANIA** | | | | | | |
| New Zealand | 10 | 76 | 1 | 6 | 11 | 82 |
| Oth Oceania | 0 | 0 | 1 | 71 | 1 | 71 |
| TOTAL | 53 | 1629 | 31 | 350 | 84 | 1980 |

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
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| | METAL CUTTING | | METAL FORMING | | TOTAL | |
|---|---|---|---|---|---|---|
| | UNITS | $000 | UNITS | $000 | UNITS | $000 |
| ASIA | | | | | | |
| Bangladesh | 0 | 0 | 0 | 0 | 0 | 0 |
| Hong Kong | 260 | 415 | 14 | 122 | 274 | 537 |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 |
| Iraq | 7 | 684 | 0 | 0 | 7 | 684 |
| Israel | 4 | 61 | 12 | 296 | 16 | 357 |
| Jordan | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 0 | 0 | 1 | 34 | 1 | 34 |
| Laos | 0 | 0 | 0 | 0 | 0 | 0 |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 0 |
| Macao | 0 | 0 | 0 | 0 | 0 | 0 |
| Oman | 0 | 0 | 0 | 0 | 0 | 0 |
| Pakistan | 6 | 11 | 2 | 48 | 8 | 59 |
| Philippines | 1 | 75 | 3 | 243 | 4 | 318 |
| Qatar | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 1 | 17 | 11 | 486 | 12 | 503 |
| Sri Lanka | 0 | 0 | 0 | 0 | 0 | 0 |
| Syria | 0 | 0 | 0 | 0 | 0 | 0 |
| United Arab Emr | 1 | 9 | 0 | 0 | 1 | 9 |
| Vietnam | 0 | 0 | 0 | 0 | 0 | 0 |
| Oth Asia | 1 | 3 | 0 | 0 | 1 | 3 |
| TOTAL | 1070 | 10592 | 586 | 14614 | 1656 | 25206 |
| AFRICA | | | | | | |
| Algeria | 0 | 0 | 0 | 0 | 0 | 0 |
| Botswana | 0 | 0 | 0 | 0 | 0 | 0 |
| Egypt | 3 | 31 | 3 | 186 | 6 | 217 |
| Ethiopia | 0 | 0 | 0 | 0 | 0 | 0 |
| Gabon | 0 | 0 | 0 | 0 | 0 | 0 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 |
| Guinea | 0 | 0 | 0 | 0 | 0 | 0 |
| Kenya | 0 | 0 | 0 | 0 | 0 | 0 |
| Malawi | 0 | 0 | 0 | 0 | 0 | 0 |
| Mauritius | 0 | 0 | 0 | 0 | 0 | 0 |
| Morocco | 0 | 0 | 0 | 0 | 0 | 0 |
| Niger | 0 | 0 | 0 | 0 | 0 | 0 |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 |
| South Africa | 2 | 31 | 1 | 4 | 3 | 35 |
| Sudan | 0 | 0 | 0 | 0 | 0 | 0 |
| Swaziland | 0 | 0 | 0 | 0 | 0 | 0 |
| Tunisia | 0 | 0 | 0 | 0 | 0 | 0 |
| Zaire | 0 | 0 | 0 | 0 | 0 | 0 |
| Zambia | 0 | 0 | 0 | 0 | 0 | 0 |
| Zimbabwe | 0 | 0 | 0 | 0 | 0 | 0 |
| Oth Africa | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 5 | 62 | 4 | 191 | 9 | 253 |

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS

Metal Cutting Machine Tools - January 89 - December 89

RELEASED: February 28, 1990

| | | TOTAL YTD UNITS | TOTAL YTD $000 |
|---|---|---|---|
| 8456301010 | Traveling wire electro-discharge machines, NC | 732 | 60803 |
| 301030 | Traveling wire electro-discharge machines, non-NC | 257 | 16700 |
| 301050 | Electro-discharge machines, n.e.c., NC | 159 | 11229 |
| 301070 | Electro-discharge machines, n.e.c., non-NC | 377 | 15358 |
| 8457100015 | Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26") | 2456 | 201060 |
| 100025 | Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26") | 226 | 30291 |
| 100035 | Horiz. mach. ctrs., ATC | 832 | 136510 |
| 100045 | Mach. ctrs., n.e.c. | 296 | 42644 |
| 200010 | Unit construction mach. (single station transfer), NC | 31 | 4393 |
| 200090 | Unit construction mach. (single station transfer), non-NC | 15 | 777 |
| 300010 | Multi-station transfer machines, NC | 27 | 20051 |
| 300090 | Multi-station transfer machines, non-NC | 108 | 28948 |
| 8458110010 | Horiz. lathes, multiple spindle, NC | 365 | 51824 |
| 110030 | Horiz. lathes, power rating under 18.65 kW (25 HP), NC | 3030 | 227428 |
| 110050 | Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC | 656 | 85013 |
| 110090 | Horiz. lathes, power rating over 37.3 kW (50 HP), NC | 88 | 13648 |
| 190030 | Horiz. engine or toolroom lathes, non-NC | 276 | 29624 |
| 190050 | Automatic bar and/or chucking mach., single spindle, non-NC | 509 | 12768 |
| 190070 | Automatic bar and/or chucking mach., mult. spindle, non-NC | 150 | 6433 |
| 190090 | Horiz. lathes, n.e.c., non-NC | 929 | 13330 |
| 911060 | Vertical turret lathes, multiple spindle, NC | 28 | 12802 |
| 911080 | Vertical turret lathes, n.e.c., NC | 47 | 7499 |
| 915050 | Vertical lathes, excl. VTL's, mult. spindle, NC | 4 | 1164 |
| 915070 | Vertical lathes, excl. VTL's, n.e.c., NC | 77 | 9317 |
| 991050 | Vertical turret lathes, non-NC | 65 | 4818 |
| 995090 | Vertical lathes, n.e.c., excl. VTL's, non-NC | 830 | 23321 |
| 8459100000 | Way-type unit head machines | 12 | 836 |
| 210080 | Other drilling machines, NC | 522 | 38961 |
| 290040 | Drilling machines, multiple spindle, non-NC | 125 | 5721 |
| 290050 | Drilling machines, radial, non-NC | 463 | 2890 |
| 290070 | Drilling, upright, ex. sensitive, turret & deep hole, non-NC | 199 | 1553 |
| 290090 | Drilling machines, n.e.c., non-NC | 472 | 24979 |
| 310010 | Boring-milling mach., horiz. spind., table, excl. planer, NC | 16 | 3932 |
| 310040 | Boring-milling mach., horiz. spindle, n.e.c., NC | 216 | 15980 |
| 310070 | Boring-milling mach., n.e.c., NC | 58 | 5706 |
| 390040 | Boring-milling mach., horiz. spindle, n.e.c., non-NC | 42 | 1612 |
| 390050 | Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC | 163 | 6654 |
| 400040 | Boring machines, vertical, NC | 17 | 6395 |
| 400050 | Boring machines, vertical, non-NC | 75 | 946 |
| 400070 | Boring machines, n.e.c., NC | 12 | 2790 |
| 400080 | Boring machines, n.e.c., non-NC | 228 | 13079 |
| 510080 | Milling machines, knee type, NC | 1090 | 16338 |
| 590030 | Milling machines, knee type, non-NC | 3737 | 31813 |
| 610080 | Milling machines, excl. knee type, n.e.c., NC | 504 | 43058 |
| 690050 | Milling machines, profile, dup., or die sinking, non-NC | 107 | 859 |
| 690070 | Milling machines, bed type, non-NC | 96 | 2889 |
| 690090 | Milling machines, n.e.c., non-NC | 648 | 17511 |
| 700020 | Threading or tapping machines, n.e.c., NC | 296 | 15073 |
| 700080 | Threading or tapping machines, n.e.c., non-NC | 289 | 9190 |
| 8460110080 | Flat surface grinding mach., NC | 159 | 11750 |
| 190010 | Flat surface grinding mach., recip.-table type, non-NC | 1123 | 12369 |
| 190050 | Flat surface grinding mach., n.e.c., non-NC | 1813 | 19639 |
| 210080 | Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC | 547 | 91743 |
| 290010 | Grinding mach., external cylindrical, (incl. univ.), non-NC | 457 | 14689 |
| 290030 | Grinding mach., internal cylindrical, non-NC | 146 | 12984 |
| 290050 | Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC | 1178 | 45541 |
| 310080 | Sharpening machines (tool & cutter grinding), NC | 342 | 4027 |
| 390050 | Sharpening machines (tool & cutter grinding), non-NC | 729 | 9890 |
| 400060 | Honing or lapping machines, NC | 35 | 6889 |
| 400080 | Honing or lapping machines, non-NC | 195 | 6760 |
| 900060 | Grinding, honing, polishing, & lapping mach., n.e.c., NC | 52 | 4498 |
| 900080 | Grinding, honing, polishing, & lapping mach., n.e.c., non-NC | 1329 | 32821 |
| 8461100060 | Planing machines, NC | 0 | 0 |
| 100080 | Planing machines, non-NC | 6 | 109 |
| 200010 | Shaping or slotting machines, NC | 36 | 5571 |
| 200090 | Shaping or slotting machines, non-NC | 55 | 3450 |
| 300060 | Broaching machines, NC | 13 | 6366 |
| 300080 | Broaching machines, non-NC | 44 | 4344 |
| 401050 | Gear hobbers | 103 | 15952 |
| 401070 | Gear shapers | 19 | 3034 |
| 401090 | Gear cutting machines, n.e.c. | 443 | 1546 |
| 405060 | Gear grinding or finishing machines | 183 | 24944 |
| 500050 | Sawing or cutting-off machines, NC | 171 | 4211 |
| 500090 | Sawing or cutting-off machines, non-NC | 1809 | 25975 |
| 9000000001 | Metal cutting machine tools, n.e.c. | 706 | 17415 |
| 9800000001 | Used or rebuilt machine tools | 6482 | 38579 |
| 9900000001 | Machine tools valued at less than $2,500 | 715675 | 97494 |
| | Y-T-D Cutting Total | 758607 | 1859106 |
| | NC Y-T-D Cutting Total | 13189 | 1203314 |

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - January 89 - December 89

| | Belgium | | Brazil | | Canada | | France | | Italy | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456301010 | 2 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301030 | 0 | 0 | 0 | 0 | 7 | 205 | 0 | 0 | 0 | 0 |
| 301050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301070 | 0 | 0 | 3 | 25 | 2 | 3 | 12 | 214 | 1 | 8 |
| 8457100015 | 0 | 0 | 0 | 0 | 1 | 77 | 14 | 1295 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 0 | 0 | 1 | 283 | 1 | 16 | 0 | 0 | 58 | 2852 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 217 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2962 |
| 300090 | 0 | 0 | 0 | 0 | 17 | 3523 | 0 | 0 | 7 | 3544 |
| 8458110010 | 0 | 0 | 0 | 0 | 2 | 291 | 0 | 0 | 1 | 239 |
| 110030 | 0 | 0 | 11 | 209 | 0 | 0 | 6 | 364 | 0 | 0 |
| 110050 | 0 | 0 | 3 | 9 | 0 | 0 | 20 | 1606 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 128 | 1 | 382 |
| 190030 | 0 | 0 | 247 | 1955 | 23 | 207 | 0 | 0 | 1 | 7 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 1 | 3 | 525 | 3079 | 1 | 316 | 3 | 19 | 8 | 313 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 628 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 45 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 1 | 16 | 0 | 0 | 0 | 0 | 5 | 1585 |
| 991050 | 0 | 0 | 8 | 30 | 0 | 0 | 0 | 0 | 4 | 8 |
| 995090 | 0 | 0 | 89 | 424 | 27 | 338 | 1 | 95 | 26 | 709 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 141 |
| 210080 | 0 | 0 | 0 | 0 | 104 | 396 | 0 | 0 | 12 | 1004 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 113 |
| 290050 | 0 | 0 | 42 | 339 | 1 | 3 | 0 | 0 | 15 | 98 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 3 | 29 | 0 | 0 | 17 | 502 | 47 | 12259 | 46 | 1490 |
| 310010 | 0 | 0 | 1 | 230 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 20 | 460 | 2 | 105 | 0 | 0 | 21 | 1449 |
| 310070 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 10 | 738 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 163 |
| 390050 | 0 | 0 | 0 | 0 | 6 | 108 | 0 | 0 | 21 | 1569 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 32 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 782 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 37 |
| 400080 | 20 | 84 | 0 | 0 | 30 | 412 | 0 | 0 | 74 | 640 |
| 510080 | 4 | 124 | 0 | 0 | 1 | 4 | 2 | 6 | 0 | 0 |
| 590030 | 0 | 0 | 0 | 0 | 1 | 3 | 26 | 267 | 19 | 3271 |
| 610080 | 0 | 0 | 0 | 0 | 3 | 2936 | 10 | 26 | 10 | 2026 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 4 | 747 | 0 | 0 | 10 | 122 | 2 | 53 | 17 | 1632 |
| 700020 | 5 | 185 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 61 |
| 700080 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 242 | 0 | 0 |
| 8460110080 | 0 | 0 | 3 | 47 | 0 | 0 | 2 | 49 | 5 | 893 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91 | 1434 |
| 190050 | 0 | 0 | 3 | 79 | 26 | 191 | 11 | 34 | 41 | 505 |
| 210080 | 0 | 0 | 0 | 0 | 1 | 10 | 4 | 296 | 5 | 528 |
| 290010 | 0 | 0 | 1 | 114 | 79 | 494 | 1 | 105 | 11 | 254 |
| 290030 | 0 | 0 | 1 | 24 | 0 | 0 | 0 | 0 | 5 | 1165 |
| 290050 | 1 | 5 | 0 | 0 | 181 | 2660 | 13 | 238 | 36 | 2056 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 22 | 2 | 22 |
| 390050 | 0 | 0 | 1 | 6 | 61 | 225 | 17 | 216 | 23 | 235 |
| 400060 | 0 | 0 | 0 | 0 | 3 | 30 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 1 | 144 |
| 900060 | 0 | 0 | 0 | 0 | 5 | 21 | 0 | 0 | 11 | 165 |
| 900080 | 1 | 36 | 4 | 14 | 32 | 564 | 54 | 249 | 199 | 5788 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 8 | 64 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 131 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 351 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 |
| 401090 | 0 | 0 | 0 | 0 | 1 | 12 | 1 | 5 | 91 | 442 |
| 405060 | 3 | 925 | 0 | 0 | 2 | 18 | 0 | 0 | 15 | 92 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 |
| 500090 | 21 | 158 | 2 | 17 | 280 | 3881 | 20 | 488 | 237 | 1295 |
| 9000000001 | 2 | 8 | 0 | 0 | 37 | 1102 | 165 | 2844 | 10 | 916 |
| 9800000001 | 53 | 3080 | 0 | 0 | 1706 | 1457 | 17 | 132 | 63 | 577 |
| 9900000001 | 261 | 35 | 89 | 55 | 967 | 520 | 1162 | 713 | 35220 | 6307 |
| Y-T-D Tot | 381 | 5492 | 1055 | 7416 | 3647 | 20824 | 1634 | 21968 | 36543 | 52076 |
| NC YTD Tot | 11 | 383 | 40 | 1254 | 124 | 3890 | 61 | 3794 | 160 | 15792 |

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - January 89 - December 89

| | Japan | | Korea | | Singapore | | Spain | | Sweden | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456301010 | 654 | 53986 | 0 | 0 | 0 | 0 | 2 | 75 | 0 | 0 |
| 301030 | 109 | 8551 | 0 | 0 | 0 | 0 | 1 | 24 | 0 | 0 |
| 301050 | 106 | 7945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 301070 | 89 | 3340 | 0 | 0 | 0 | 0 | 12 | 177 | 0 | 0 |
| 8457100015 | 1730 | 156873 | 32 | 1585 | 176 | 9021 | 1 | 117 | 0 | 0 |
| 100025 | 136 | 25064 | 1 | 83 | 0 | 0 | 1 | 91 | 0 | 0 |
| 100035 | 651 | 106942 | 10 | 1091 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100045 | 41 | 10249 | 9 | 457 | 1 | 51 | 5 | 331 | 8 | 2053 |
| 200010 | 15 | 2661 | 9 | 786 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 9 | 391 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 44 |
| 300010 | 5 | 8124 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 34 | 12832 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 265 | 37344 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 2715 | 209471 | 75 | 4317 | 3 | 31 | 0 | 0 | 0 | 0 |
| 110050 | 595 | 80091 | 6 | 244 | 0 | 0 | 1 | 543 | 0 | 0 |
| 110090 | 32 | 3572 | 12 | 1393 | 0 | 0 | 2 | 238 | 1 | 271 |
| 190030 | 26 | 1300 | 193 | 2106 | 234 | 2425 | 76 | 731 | 0 | 0 |
| 190050 | 91 | 8194 | 0 | 0 | 0 | 0 | 1 | 13 | 0 | 0 |
| 190070 | 1 | 266 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 49 | 2473 | 23 | 995 | 0 | 0 | 4 | 273 | 0 | 0 |
| 911060 | 20 | 3693 | 1 | 83 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 41 | 6352 | 2 | 123 | 0 | 0 | 0 | 0 | 1 | 290 |
| 915050 | 2 | 482 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 27 | 3444 | 8 | 711 | 0 | 0 | 1 | 344 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 35 | 2503 | 177 | 9540 | 0 | 0 | 23 | 534 | 0 | 0 |
| 8459100000 | 4 | 153 | 2 | 186 | 0 | 0 | 0 | 0 | 1 | 118 |
| 210080 | 373 | 31070 | 1 | 4 | 0 | 0 | 2 | 10 | 0 | 0 |
| 290040 | 75 | 4561 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 6 | 199 | 0 | 0 | 0 | 0 | 16 | 155 | 62 | 253 |
| 290070 | 14 | 526 | 11 | 48 | 0 | 0 | 37 | 147 | 4 | 12 |
| 290090 | 119 | 5271 | 0 | 0 | 0 | 0 | 134 | 1078 | 16 | 53 |
| 310010 | 3 | 955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 43 | 1339 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 4 | 308 | 0 | 0 | 0 | 0 | 2 | 151 | 0 | 0 |
| 390040 | 4 | 654 | 0 | 0 | 0 | 0 | 1 | 179 | 2 | 17 |
| 390050 | 8 | 2078 | 1 | 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 8 | 5533 | 0 | 0 | 4 | 163 | 0 | 0 | 0 | 0 |
| 400050 | 2 | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 |
| 400070 | 9 | 2754 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 15 | 4288 | 1 | 30 | 0 | 0 | 0 | 0 | 2 | 12 |
| 510080 | 25 | 2785 | 0 | 0 | 0 | 0 | 503 | 3478 | 1 | 4 |
| 590030 | 45 | 2455 | 3 | 24 | 0 | 0 | 969 | 6778 | 5 | 128 |
| 610080 | 113 | 22260 | 0 | 0 | 20 | 800 | 7 | 277 | 1 | 23 |
| 690050 | 4 | 414 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 15 | 777 | 0 | 0 | 0 | 0 | 2 | 112 | 2 | 237 |
| 690090 | 59 | 3728 | 2 | 23 | 0 | 0 | 115 | 1863 | 4 | 450 |
| 700020 | 268 | 14048 | 4 | 131 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 171 | 4349 | 0 | 0 | 0 | 0 | 6 | 273 | 5 | 34 |
| 8460110080 | 55 | 5325 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190010 | 322 | 3856 | 0 | 0 | 421 | 4792 | 0 | 0 | 0 | 0 |
| 190050 | 138 | 4703 | 9 | 51 | 5 | 109 | 8 | 286 | 9 | 40 |
| 210080 | 283 | 59823 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 |
| 290010 | 80 | 5260 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 1181 |
| 290030 | 6 | 614 | 0 | 0 | 0 | 0 | 2 | 141 | 3 | 733 |
| 290050 | 180 | 20618 | 0 | 0 | 13 | 163 | 2 | 78 | 34 | 3063 |
| 310080 | 14 | 734 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 42 |
| 390050 | 57 | 688 | 0 | 0 | 0 | 0 | 3 | 12 | 1 | 6 |
| 400060 | 14 | 5334 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 24 | 1590 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 294 |
| 900060 | 22 | 3289 | 0 | 0 | 0 | 0 | 1 | 110 | 3 | 17 |
| 900080 | 197 | 7475 | 109 | 681 | 1 | 8 | 8 | 623 | 104 | 605 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 |
| 200010 | 33 | 5495 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 5 | 463 | 0 | 0 | 13 | 330 | 0 | 0 | 1 | 3 |
| 300060 | 10 | 2317 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 3 | 800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401050 | 11 | 1292 | 9 | 407 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 4 | 690 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401090 | 24 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 405060 | 54 | 4933 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| 500050 | 102 | 3353 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 314 | 9602 | 1 | 9 | 0 | 0 | 14 | 66 | 13 | 164 |
| 9000000001 | 120 | 4167 | 1 | 7 | 0 | 0 | 6 | 144 | 6 | 96 |
| 9800000001 | 822 | 12992 | 10 | 193 | 1 | 3 | 3 | 30 | 120 | 1053 |
| 9900000001 | 62615 | 10475 | 5702 | 2336 | 4 | 4 | 190 | 48 | 2319 | 2306 |
| Y-T-D Tot | 74374 | 1042630 | 6424 | 27662 | 896 | 17898 | 2163 | 19536 | 2760 | 13639 |
| NC YTD Tot | 8419 | 885245 | 170 | 11006 | 204 | 10065 | 530 | 5770 | 17 | 2723 |

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - January 89 - December 89

| | Switzerland | | Taiwan | | U.K. | | West Germany | | All Other | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456301010 | 65 | 6529 | 8 | 72 | 0 | 0 | 1 | 67 | 0 | 0 |
| 301030 | 58 | 5991 | 71 | 653 | 0 | 0 | 1 | 275 | 0 | 0 |
| 301050 | 0 | 0 | 2 | 42 | 39 | 1429 | 2 | 1696 | 10 | 117 |
| 301070 | 85 | 5638 | 95 | 1478 | 10 | 123 | 42 | 3908 | 26 | 444 |
| 8457100015 | 0 | 0 | 103 | 7572 | 272 | 14345 | 62 | 7491 | 65 | 2685 |
| 100025 | 0 | 0 | 29 | 1689 | 50 | 2913 | 0 | 0 | 9 | 450 |
| 100035 | 1 | 255 | 8 | 741 | 5 | 599 | 156 | 26843 | 1 | 40 |
| 100045 | 13 | 5927 | 32 | 2008 | 36 | 1908 | 60 | 14222 | 31 | 2287 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 746 | 2 | 200 |
| 200090 | 0 | 0 | 0 | 0 | 3 | 124 | 0 | 0 | 0 | 0 |
| 300010 | 1 | 208 | 0 | 0 | 0 | 0 | 12 | 8375 | 4 | 381 |
| 300090 | 31 | 3903 | 0 | 0 | 2 | 129 | 16 | 4960 | 1 | 57 |
| 8458110010 | 4 | 145 | 6 | 321 | 3 | 461 | 84 | 13023 | 0 | 0 |
| 110030 | 29 | 2519 | 142 | 7102 | 15 | 1544 | 1 | 162 | 33 | 1709 |
| 110050 | 0 | 0 | 16 | 901 | 5 | 642 | 8 | 907 | 2 | 71 |
| 110090 | 4 | 674 | 3 | 179 | 1 | 37 | 27 | 6077 | 3 | 698 |
| 190030 | 0 | 0 | 966 | 7762 | 407 | 4998 | 1 | 3 | 902 | 8130 |
| 190050 | 9 | 1140 | 360 | 2887 | 2 | 10 | 9 | 317 | 37 | 208 |
| 190070 | 47 | 4342 | 71 | 549 | 18 | 665 | 3 | 423 | 10 | 187 |
| 190090 | 1 | 57 | 25 | 216 | 216 | 2807 | 17 | 1788 | 56 | 992 |
| 911060 | 0 | 0 | 0 | 0 | 1 | 43 | 5 | 8355 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 690 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 682 | 0 | 0 |
| 915070 | 5 | 194 | 8 | 392 | 6 | 114 | 7 | 2206 | 9 | 308 |
| 991050 | 16 | 3084 | 15 | 41 | 1 | 74 | 7 | 1507 | 14 | 73 |
| 995090 | 5 | 465 | 40 | 342 | 62 | 1652 | 51 | 1615 | 294 | 5103 |
| 8459100000 | 0 | 0 | 0 | 0 | 2 | 200 | 1 | 37 | 0 | 0 |
| 210080 | 3 | 1223 | 2 | 43 | 7 | 226 | 17 | 4968 | 1 | 17 |
| 290040 | 5 | 366 | 10 | 39 | 0 | 0 | 6 | 278 | 2 | 365 |
| 290050 | 0 | 0 | 168 | 884 | 2 | 8 | 10 | 177 | 141 | 774 |
| 290070 | 0 | 0 | 12 | 71 | 3 | 11 | 50 | 458 | 68 | 281 |
| 290090 | 6 | 77 | 12 | 191 | 13 | 122 | 50 | 3731 | 9 | 174 |
| 310010 | 0 | 0 | 5 | 73 | 7 | 2674 | 0 | 0 | 0 | 0 |
| 310040 | 3 | 1427 | 0 | 0 | 2 | 588 | 69 | 9187 | 56 | 1425 |
| 310070 | 3 | 412 | 0 | 0 | 3 | 2477 | 29 | 1453 | 6 | 163 |
| 390040 | 0 | 0 | 0 | 0 | 1 | 31 | 15 | 367 | 14 | 201 |
| 390050 | 0 | 0 | 73 | 329 | 1 | 99 | 23 | 1627 | 30 | 825 |
| 400040 | 0 | 0 | 0 | 0 | 3 | 631 | 0 | 0 | 1 | 36 |
| 400050 | 0 | 0 | 12 | 42 | 0 | 0 | 1 | 25 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 5 | 1380 | 0 | 0 | 22 | 2609 | 37 | 2261 | 22 | 1364 |
| 510080 | 1 | 237 | 281 | 2909 | 206 | 5460 | 14 | 941 | 52 | 388 |
| 590030 | 1 | 28 | 1686 | 10039 | 617 | 2607 | 14 | 4011 | 351 | 2202 |
| 610080 | 2 | 2629 | 226 | 3961 | 20 | 473 | 22 | 6578 | 70 | 1067 |
| 690050 | 0 | 0 | 96 | 414 | 0 | 0 | 5 | 21 | 1 | 6 |
| 690070 | 0 | 0 | 73 | 833 | 1 | 8 | 2 | 920 | 1 | 3 |
| 690090 | 14 | 883 | 99 | 563 | 38 | 553 | 35 | 4350 | 249 | 2545 |
| 700020 | 0 | 0 | 12 | 107 | 1 | 533 | 0 | 0 | 1 | 7 |
| 700080 | 6 | 105 | 6 | 32 | 16 | 753 | 52 | 3179 | 6 | 223 |
| 8460110080 | 7 | 569 | 37 | 431 | 13 | 925 | 29 | 3431 | 8 | 80 |
| 190010 | 0 | 0 | 201 | 779 | 8 | 137 | 46 | 1242 | 34 | 129 |
| 190050 | 33 | 780 | 1343 | 8774 | 83 | 1134 | 26 | 1004 | 78 | 1950 |
| 210080 | 51 | 8079 | 10 | 448 | 15 | 349 | 177 | 22207 | 0 | 0 |
| 290010 | 54 | 4989 | 11 | 75 | 33 | 650 | 125 | 1302 | 50 | 265 |
| 290030 | 30 | 1433 | 6 | 62 | 1 | 43 | 43 | 8258 | 49 | 510 |
| 290050 | 53 | 3894 | 81 | 747 | 87 | 1382 | 421 | 9688 | 76 | 947 |
| 310080 | 23 | 198 | 213 | 1452 | 26 | 65 | 58 | 1381 | 3 | 108 |
| 390050 | 61 | 1303 | 62 | 402 | 125 | 910 | 264 | 4498 | 54 | 1386 |
| 400060 | 5 | 114 | 0 | 0 | 1 | 24 | 12 | 1387 | 0 | 0 |
| 400080 | 7 | 157 | 0 | 0 | 71 | 992 | 63 | 3329 | 15 | 250 |
| 900060 | 1 | 313 | 1 | 33 | 0 | 0 | 3 | 495 | 5 | 55 |
| 900080 | 71 | 3392 | 52 | 510 | 176 | 2286 | 220 | 7249 | 101 | 3339 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 1 | 54 | 3 | 31 | 0 | 0 |
| 200010 | 0 | 0 | 1 | 12 | 0 | 0 | 0 | 0 | 2 | 64 |
| 200090 | 1 | 18 | 13 | 102 | 2 | 769 | 8 | 1316 | 4 | 386 |
| 300060 | 0 | 0 | 0 | 0 | 2 | 3918 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 32 | 2383 | 9 | 1161 | 0 | 0 |
| 401050 | 6 | 25 | 0 | 0 | 0 | 0 | 64 | 13767 | 8 | 111 |
| 401070 | 1 | 12 | 0 | 0 | 1 | 14 | 10 | 2261 | 2 | 43 |
| 401090 | 202 | 979 | 4 | 4 | 18 | 10 | 87 | 88 | 15 | 2 |
| 405060 | 74 | 7981 | 0 | 0 | 0 | 0 | 18 | 9490 | 16 | 1501 |
| 500050 | 0 | 0 | 6 | 46 | 2 | 12 | 52 | 719 | 7 | 69 |
| 500090 | 11 | 169 | 330 | 1664 | 97 | 453 | 282 | 6967 | 187 | 1044 |
| 9000000001 | 8 | 661 | 10 | 69 | 55 | 602 | 91 | 5736 | 195 | 1063 |
| 9800000001 | 47 | 874 | 1220 | 988 | 821 | 6979 | 249 | 9088 | 1350 | 1133 |
| 9900000001 | 581 | 195 | 467819 | 60045 | 3498 | 1899 | 7467 | 4239 | 127781 | 8317 |
| Y-T-D Tot | 1260 | 86971 | 476193 | 132120 | 7287 | 80673 | 10860 | 271243 | 132630 | 58958 |

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - December 89

RELEASED: February 28, 1990

| Metal Forming Machine Tools | | TOTAL rTD | |
|---|---|---|---|
| | | UNITS | $000 |
| 8454300010 | Die casting machines | 4105 | 44684 |
| 8462100030 | Headers and upsetters, including cold headers | 138 | 11618 |
| 100050 | Forging or die stamping machines, and hammers, n.e.c. | 1416 | 1502 |
| 210080 | Bending, folding, straight, or flat, mach., incl presses, NC | 991 | 23084 |
| 290030 | Press brakes, non-NC | 374 | 9064 |
| 290040 | Bending rolls, non-NC | 77 | 2022 |
| 290050 | Bending, folding, straight, or flat, n.e.c., non-NC | 1071 | 45446 |
| 310080 | Shearing machines, NC | 57 | 6661 |
| 390050 | Shearing machines, non-NC | 738 | 14001 |
| 410080 | Punching or notching mach., incl. comb. punch & shear, NC | 362 | 40916 |
| 490050 | Punching or notching mach., incl. comb. punch & sh., non-NC | 843 | 13688 |
| 910060 | Hydraulic presses, NC | 41 | 6466 |
| 910090 | Hydraulic presses, non-NC | 684 | 21578 |
| 990030 | Presses, n.e.c., NC | 93 | 6498 |
| 990040 | Presses, mechanical, non-NC | 66 | 23337 |
| 990060 | Presses, n.e.c., non-NC | 1085 | 82903 |
| 8463100080 | Draw benches for bars, tubes, profiles, wire or the like | 39 | 5009 |
| 200080 | Thread rolling machines | 62 | 1086 |
| 300080 | Machines for working wire | 742 | 15780 |
| 900080 | Metal forming machine tools, n.e.c. | 799 | 29113 |
| 9800000002 | Used or rebuilt machine tools | 3037 | 17486 |
| 9900000002 | Machine tools valued at less than $2,500 | 22580 | 6799 |
| | Y-T-D Forming Total | 39202 | 547543 |
| | NC Y-T-D Forming Total | 1546 | 97727 |
| | Cutting and Forming Totals: | | |
| | Y-T-D Total | 797809 | 2406649 |
| | NC Y-T-D Total | 14735 | 1301041 |

| Other Manufacturing Technology | | TOTAL rTD | |
|---|---|---|---|
| | | UNITS | $000 |
| 1000000000 | Machine tool parts and accessories | 0 | 579435 |
| 2710003070 | Quenching or cutting oils | 0 | 79 |
| 8428900010 | Industrial robots for lifting, handling, loading or unload | 1981 | 43625 |
| 8456101010 | Laser, light or photon beam for working metal, NC | 121 | 18124 |
| 101020 | Laser, light or photon beam for working metal, non-NC | 48 | 4954 |
| 105000 | Laser, light or photon beam for other materials | 2125 | 6935 |
| 201010 | Ultrasonic processes for working metal, NC | 6 | 952 |
| 201050 | Ultrasonic processes for working metal, non-NC | 12 | 29 |
| 205000 | Ultrasonic processes for working other materials | 148 | 1163 |
| 8477106010 | Injection molding mach., for rubber or oth. thermosetting | 1029 | 90553 |
| 106050 | Injection molding mach., for thermoplastics | 2685 | 268022 |
| 200010 | Extruders for rubber or other thermosetting materials | 216 | 24197 |
| 200050 | Extruders for processing thermoplastics | 731 | 43996 |
| 300000 | Blow molding machines | 302 | 43082 |
| 400000 | Vacuum-molding and other thermoforming machines | 315 | 15800 |
| 8479899040 | Industrial robots, n.e.c. | 23945 | 137767 |
| 908040 | Industrial robot parts | 0 | 47214 |
| 8537100030 | Numerical controls for controlling machine tools | 13534 | 52862 |
| 9024100000 | Machines and appliances for testing metals | 0 | 14217 |
| 9031100000 | Machines for balancing mechanical parts | 0 | 10405 |
| 300000 | Profile projectors | 0 | 4925 |
| 9032810020 | Industrial process control instr., hydraulic | 211812 | 2846 |
| 810060 | Industrial process control instr., pneumatic | 168982 | 3419 |

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: '0' in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - December 89

Metal Forming

| | Belgium | | Brazil | | Canada | | France | | Italy | |
|---|---|---|---|---|---|---|---|---|---|---|
| | units | $000 | units | $000 | units | $000 | units | $000 | units | $000 |
| 8454300010 | 0 | 0 | 0 | 0 | 2457 | 2374 | 0 | 0 | 50 | 1412 |
| 8462100030 | 4 | 2010 | 0 | 0 | 1 | 14 | 0 | 0 | 3 | 880 |
| 100050 | 1 | 1 | 0 | 4 | 223 | 3885 | 17 | 195 | 20 | 510 |
| 210080 | 34 | 1230 | 0 | 0 | 21 | 1496 | 1 | 110 | 19 | 2173 |
| 290030 | 43 | 2903 | 0 | 0 | 148 | 4550 | 0 | 0 | 0 | 0 |
| 290040 | 2 | 0 | 0 | 0 | 1 | 674 | 0 | 0 | 9 | 287 |
| 290050 | 5 | 103 | 0 | 4 | 317 | 8723 | 0 | 65 | 116 | 2392 |
| 310080 | 15 | 391 | 0 | 0 | 1 | 60 | 0 | 0 | 0 | 3 |
| 390050 | 48 | 1345 | 0 | 0 | 7 | 1951 | 10 | 234 | 14 | 1582 |
| 410080 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 125 | 10 | 1219 |
| 490050 | 2 | 808 | 0 | 0 | 17 | 1273 | 2 | 53 | 44 | 308 |
| 910060 | 0 | 0 | 0 | 0 | 4 | 461 | 0 | 0 | 0 | 0 |
| 910090 | 1 | 1 | 4 | 2 | 58 | 2196 | 1 | 117 | 68 | 1440 |
| 990030 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 47 | 355 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 0 | 0 |
| 990060 | 63 | 4687 | 14 | 4231 | 336 | 16205 | 3 | 116 | 45 | 1402 |
| 8463100080 | 5 | 508 | 0 | 0 | 1 | 17 | 1 | 45 | 5 | 492 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 811 | 0 | 0 |
| 300080 | 146 | 6856 | 4 | 132 | 19 | 2046 | 8 | 111 | 78 | 7645 |
| 900080 | 2 | 17 | 6 | 15 | 44 | 2057 | 20 | 836 | 107 | 3547 |
| 9800000002 | 62 | 1728 | 0 | 0 | 256 | 9388 | 10 | 209 | 53 | 1382 |
| 9900000002 | 4 | 4 | 203 | 114 | 478 | 154 | 39 | 33 | 606 | 254 |
| Y-T-D Tot | 527 | 22677 | 254 | 4520 | 4428 | 90649 | 138 | 3796 | 1503 | 27818 |
| NC YTD Tot | 49 | 1670 | 0 | 0 | 29 | 2024 | 10 | 235 | 76 | 3742 |
| C&F Y-T-D | 908 | 26169 | 1309 | 11936 | 8140 | 171472 | 1747 | 23764 | 37866 | 29894 |
| C&F NC YTD | 60 | 2054 | 40 | 1254 | 153 | 5914 | 31 | 4030 | 236 | 19533 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 3950 | 0 | 982 | 0 | 95866 | 0 | 14629 | 0 | 15944 |
| 2710003070 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 |
| 8428900010 | 0 | 0 | 3 | 101 | 282 | 5733 | 32 | 854 | 33 | 684 |
| 8456101010 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 268 | 2 | 789 |
| 101020 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 1 | 0 |
| 105000 | 0 | 0 | 0 | 0 | 7 | 407 | 1 | 110 | 6 | 220 |
| 201010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| 205000 | 0 | 0 | 0 | 0 | 100 | 1 | 0 | 0 | 1 | 181 |
| 8477106010 | 1 | 22 | 0 | 0 | 53 | 7139 | 55 | 7040 | 73 | 5104 |
| 106050 | 0 | 0 | 0 | 0 | 364 | 4431 | 5 | 687 | 203 | 18286 |
| 200010 | 0 | 0 | 1 | 2 | 8 | 76 | 26 | 2784 | 14 | 1059 |
| 200050 | 1 | 198 | 0 | 0 | 99 | 2521 | 4 | 139 | 25 | 4501 |
| 300000 | 0 | 0 | 1 | 103 | 25 | 2044 | 30 | 6900 | 14 | 1530 |
| 400000 | 0 | 0 | 0 | 0 | 16 | 419 | 2 | 8 | 2 | 42 |
| 8479899040 | 0 | 0 | 0 | 0 | 257 | 3169 | 134 | 625 | 8 | 778 |
| 908040 | 0 | 15 | 0 | 0 | 3 | 1053 | 0 | 1674 | 3 | 827 |
| 8537100030 | 0 | 0 | 0 | 0 | 14 | 13 | 2 | 0 | 1201 | 860 |
| 9024100000 | 0 | 2 | 0 | 50 | 0 | 648 | 0 | 192 | 2 | 383 |
| 9031100000 | 0 | 0 | 1 | 23 | 0 | 108 | 0 | 92 | 1 | 110 |
| 300000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 47 |
| 9032810020 | 0 | 0 | 0 | 0 | 507 | 47 | 11 | 69 | 1 | 1 |
| 810060 | 0 | 0 | 0 | 0 | 4357 | 225 | 1062 | 79 | 9289 | 178 |

Note - Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note - "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - December 89

Metal Forming

| | Japan | | Korea | | Singapore | | Spain | | Sweden | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 385 | 34183 | 1 | 87 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8462100030 | 105 | 6433 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100050 | 478 | 61817 | 17 | 232 | 7 | 22 | 6 | 8 | 0 | 0 |
| 210080 | 751 | 24132 | 0 | 0 | 0 | 0 | 2 | 71 | 11 | 1069 |
| 290030 | 47 | 1216 | 0 | 0 | 17 | 222 | 11 | 102 | 0 | 0 |
| 290040 | 25 | 516 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 295 |
| 290050 | 180 | 17675 | 2 | 16 | 0 | 0 | 11 | 128 | 113 | 3728 |
| 310080 | 11 | 2138 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 71 |
| 390050 | 78 | 2820 | 7 | 117 | 41 | 457 | 17 | 125 | 13 | 132 |
| 410080 | 148 | 19570 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 |
| 490050 | 140 | 4826 | 1 | 5 | 0 | 0 | 174 | 1673 | 39 | 899 |
| 910060 | 26 | 3404 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 809 |
| 910090 | 247 | 10904 | 3 | 45 | 1 | 138 | 0 | 0 | 16 | 1978 |
| 990030 | 14 | 4723 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990040 | 45 | 22617 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 500 |
| 990060 | 352 | 45686 | 0 | 0 | 0 | 0 | 7 | 110 | 36 | 374 |
| 8463100080 | 7 | 2462 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200080 | 21 | 1630 | 0 | 0 | 0 | 0 | 12 | 293 | 0 | 0 |
| 300080 | 325 | 10449 | 0 | 0 | 1 | 21 | 1 | 45 | 2 | 85 |
| 900080 | 336 | 12713 | 0 | 0 | 0 | 0 | 3 | 40 | 12 | 316 |
| 9800000002 | 119 | 3262 | 8 | 105 | 0 | 0 | 46 | 191 | 10 | 510 |
| 9900000002 | 1697 | 1352 | 52 | 26 | 1 | 1 | 374 | 309 | 136 | 88 |
| Y-T-D Tot | 5537 | 294529 | 91 | 635 | 68 | 862 | 666 | 3094 | 419 | 10879 |
| NC YTD Tot | 950 | 53967 | 0 | 0 | 0 | 0 | 2 | 71 | 16 | 1974 |
| C&F Y-T-D | 79911 | 1337159 | 6515 | 28297 | 964 | 18760 | 2829 | 22630 | 2179 | 24513 |
| C&F NC YTD | 9369 | 939212 | 170 | 11006 | 204 | 10065 | 532 | 5841 | 33 | 4697 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 175439 | 0 | 2579 | 0 | 7650 | 0 | 3106 | 0 | 10439 |
| 2710003070 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 8428900010 | 977 | 23514 | 0 | 0 | 0 | 0 | 0 | 0 | 111 | 4727 |
| 8456101010 | 73 | 14539 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101020 | 1 | 309 | 0 | 0 | 1 | 180 | 0 | 0 | 0 | 0 |
| 105000 | 688 | 962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201010 | 6 | 952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201050 | 2 | 7 | 1 | 6 | 0 | 0 | 0 | 0 | 1 | 1 |
| 205000 | 19 | 379 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 |
| 8477106010 | 464 | 46346 | 11 | 784 | 3 | 205 | 0 | 0 | 1 | 4 |
| 106050 | 870 | 125786 | 65 | 2526 | 7 | 284 | 7 | 44 | 1 | 50 |
| 200010 | 53 | 11019 | 1 | 19 | 0 | 0 | 1 | 4 | 1 | 16 |
| 200050 | 64 | 6991 | 4 | 76 | 0 | 0 | 0 | 0 | 1 | 77 |
| 300000 | 47 | 13517 | 2 | 69 | 0 | 3 | 11 | 754 | 0 | 0 |
| 400000 | 62 | 3132 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 |
| 8479899040 | 17634 | 115235 | 0 | 0 | 3 | 16 | 0 | 0 | 100 | 4400 |
| 908040 | 0 | 22925 | 0 | 9 | 0 | 3 | 0 | 0 | 0 | 1075 |
| 8537100030 | 10662 | 50842 | 120 | 7 | 0 | 0 | 51 | 33 | 0 | 0 |
| 9024100000 | 0 | 6153 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 395 |
| 9031100000 | 0 | 8053 | 0 | 84 | 0 | 12 | 0 | 9 | 0 | 10 |
| 300001 | 0 | 1883 | 0 | 27 | 0 | 3 | 0 | 2 | 0 | 0 |
| 9032810020 | 123 | 195 | 23850 | 541 | 0 | 3 | 0 | 2 | 0 | 9 |
| 810060 | 993 | 668 | 55500 | 188 | 5 | 1 | 0 | 3 | 6114 | 1206 |

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS

Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology

January 89 - December 89

Metal Forming

| | Switzerland | | Taiwan | | U.K. | | West Germany | | All Other | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 13 | 1245 | 2 | 45 | 90 | 539 | 31 | 1744 | 1070 | 1055 |
| 8462100030 | 0 | 0 | 9 | 78 | 1 | 364 | 7 | 1786 | 1 | 53 |
| 100050 | 61 | 73 | 21 | 67 | 93 | 5160 | 143 | 7126 | 363 | 2413 |
| 210080 | 7 | 139 | 17 | 241 | 8 | 347 | 65 | 3519 | 47 | 2396 |
| 290030 | 0 | 2 | 1 | 5 | 1 | 61 | 8 | 37 | 48 | 641 |
| 290040 | 0 | 0 | 1 | 44 | 2 | 14 | 5 | 51 | 6 | 142 |
| 290050 | 18 | (56) | 47 | 1804 | 25 | 2457 | 108 | 5057 | 102 | 1699 |
| 310080 | 4 | 1031 | 0 | 0 | 0 | 0 | 12 | 2538 | 13 | 443 |
| 390050 | 2 | 464 | 29 | 47 | 207 | 1179 | 85 | 2686 | 56 | 801 |
| 410080 | 12 | 3230 | 3 | 253 | 2 | 222 | 159 | 13431 | 17 | 2746 |
| 490050 | 2 | 12 | 46 | 1506 | 21 | 398 | 120 | 1901 | 6 | 121 |
| 910060 | 0 | 0 | 1 | 453 | 0 | 0 | 6 | 1297 | 3 | 36 |
| 910090 | 11 | 1481 | 100 | 512 | 17 | 1515 | 54 | 2788 | 101 | 458 |
| 990030 | 3 | 13 | 2 | 96 | 0 | 0 | 12 | 1000 | 12 | 309 |
| 990040 | 1 | 16 | 1 | 70 | 14 | 61 | 1 | 6 | 0 | 0 |
| 990060 | 11 | 552 | 27 | 643 | 35 | 444 | 113 | 6520 | 36 | 1201 |
| 8463100080 | 0 | 2 | 0 | 0 | 0 | 0 | 19 | 1477 | 2 | 18 |
| 200080 | 0 | 2 | 10 | 95 | 2 | 20 | 13 | 931 | 2 | 6 |
| 300080 | 28 | 1302 | 21 | 315 | 28 | 966 | 78 | 5557 | 13 | 529 |
| 900080 | 31 | 3158 | 21 | 335 | 11 | 782 | 92 | 4578 | 44 | 1242 |
| 9800000002 | 94 | 420 | 1929 | 252 | 142 | 2131 | 223 | 3140 | 87 | 1358 |
| 9900000002 | 1419 | 207 | 9440 | 2529 | 422 | 132 | 495 | 315 | 7003 | 1280 |
| Y-T-D Tot | 1687 | 17506 | 11941 | 9355 | 1182 | 16793 | 1849 | 67485 | 9032 | 18946 |
| NC YTD Tot | 31 | 4713 | 25 | 1046 | 10 | 568 | 254 | 21785 | 92 | 5930 |
| C&F Y-T-D | 3447 | 104478 | 488134 | 141476 | 8469 | 97465 | 12709 | 338728 | 141662 | 77904 |
| C&F NC YTD | 254 | 16362 | 1176 | 11581 | 778 | 43191 | 1182 | 167836 | 477 | 18463 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 33513 | 0 | 16926 | 0 | 36303 | 0 | 117373 | 0 | 34738 |
| 2710003070 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 0 |
| 8428900010 | 40 | 1418 | 61 | 44 | 61 | 2757 | 346 | 2290 | 35 | 1491 |
| 8456101010 | 16 | 1316 | 0 | 0 | 17 | 453 | 2 | 185 | 9 | 575 |
| 101020 | 1 | 430 | 0 | 0 | 6 | 602 | 37 | 3320 | 1 | 107 |
| 105000 | 29 | 42 | 0 | 0 | 105 | 1019 | 1108 | 2268 | 181 | 1907 |
| 201010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| 205000 | 22 | 160 | 2 | 0 | 3 | 439 | 0 | 0 | 0 | 0 |
| 8477106010 | 38 | 1679 | 94 | 4183 | 17 | 243 | 157 | 14418 | 62 | 3286 |
| 106050 | 55 | 11843 | 120 | 6351 | 39 | 1693 | 726 | 41507 | 212 | 17534 |
| 200010 | 20 | 1070 | 11 | 406 | 19 | 2327 | 54 | 5110 | 7 | 304 |
| 200050 | 21 | 1539 | 45 | 1112 | 138 | 2968 | 306 | 23062 | 22 | 812 |
| 300000 | 0 | 0 | 15 | 370 | 0 | 0 | 152 | 16940 | 5 | 855 |
| 400000 | 2 | 115 | 3 | 41 | 55 | 2577 | 165 | 8514 | 5 | 938 |
| 8479899040 | 72 | 3044 | 7 | 216 | 124 | 550 | 1793 | 7048 | 1813 | 2574 |
| 908040 | 0 | 1588 | 0 | 253 | 0 | 3446 | 0 | 9986 | 0 | 4359 |
| 8537100030 | 10 | 82 | 600 | 3 | 416 | 74 | 447 | 879 | 11 | 64 |
| 9024100000 | 0 | 952 | 0 | 7 | 0 | 1908 | 0 | 1580 | 0 | 1943 |
| 9031100000 | 0 | 135 | 0 | 48 | 0 | 222 | 0 | 858 | 0 | 684 |
| 300000 | 3 | 202 | 0 | 3 | 0 | 1700 | 0 | 788 | 0 | 272 |
| 9032810020 | 4015 | 119 | 0 | 3 | 15929 | 323 | 168 | 275 | 171193 | 1225 |
| 810060 | 141 | 6 | 33885 | 202 | 9 | 10 | 54909 | 464 | 718 | 141 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 89 December 89

| | METAL CUTTING | | METAL FORMING | | TOTAL | |
|---|---|---|---|---|---|---|
| | UNITS | $000 | UNITS | $000 | UNITS | $000 |
| **EUROPE** | | | | | | |
| Austria | 1836 | 8595 | 194 | 1941 | 2030 | 10536 |
| Bulgaria | 0 | 0 | 0 | 0 | 0 | 0 |
| Czechoslovakia | 70 | 1066 | 2 | 24 | 72 | 1090 |
| Denmark | 509 | 1597 | 70 | 729 | 579 | 2326 |
| East Germany | 481 | 2481 | 1 | 5 | 482 | 2486 |
| Finland | 843 | 1818 | 139 | 4785 | 982 | 6603 |
| Hungary | 47 | 2827 | 0 | 0 | 47 | 2827 |
| Ireland | 234 | 82 | 7 | 24 | 241 | 106 |
| Luxembourg | 1 | 12 | 10 | 512 | 11 | 525 |
| Netherlands | 651 | 5477 | 220 | 2703 | 871 | 8180 |
| Norway | 6 | 85 | 12 | 537 | 18 | 622 |
| Poland | 265 | 4108 | 5 | 6 | 270 | 4114 |
| Portugal | 133 | 447 | 79 | 973 | 212 | 1421 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 |
| USSR | 2 | 43 | 2 | 8 | 4 | 51 |
| Yugoslavia | 637 | 4273 | 6 | 714 | 643 | 4992 |
| Oth Europe | 70 | 870 | 323 | 1292 | 393 | 2162 |
| TOTAL | 69173 | 536386 | 8856 | 182300 | 78029 | 767686 |
| **NORTH AND CENTRAL AMERICA** | | | | | | |
| Barbados | 0 | 0 | 0 | 0 | 0 | 0 |
| Dominican Rep | 1 | 2 | 1 | 4 | 2 | 6 |
| Mexico | 1027 | 405 | 468 | 1774 | 1495 | 2179 |
| Oth N & C Am. | 11 | 24 | 10 | 44 | 21 | 68 |
| TOTAL | 4686 | 21255 | 4972 | 52471 | 9658 | 73725 |
| **SOUTH AMERICA** | | | | | | |
| Argentina | 22 | 221 | 2 | 65 | 24 | 286 |
| Chile | 0 | 0 | 0 | 0 | 0 | 0 |
| Colombia | 0 | 0 | 0 | 0 | 0 | 0 |
| Paraguay | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 |
| Uruguay | 0 | 0 | 0 | 0 | 0 | 0 |
| Venezuela | 1 | 8 | 0 | 0 | 1 | 8 |
| Oth South Am. | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 1078 | 7845 | 256 | 3585 | 1334 | 22230 |
| **OCEANIA** | | | | | | |
| Australia | 194 | 8035 | 20 | 468 | 214 | 8474 |
| New Zealand | 53 | 83 | 8 | 165 | 61 | 314 |
| Oth Oceania | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 247 | 8255 | 28 | 633 | 275 | 8947 |

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 89 December 89

| | METAL CUTTING | | METAL FORMING | | TOTAL | |
|---|---|---|---|---|---|---|
| | UNITS | $000 | UNITS | $000 | UNITS | $000 |
| **ASIA** | | | | | | |
| China | 124813 | 14770 | 6055 | 531 | 130868 | 15301 |
| Hong Kong | 388 | 481 | 222 | 204 | 610 | 1186 |
| India | 207 | 1029 | 23 | 31 | 230 | 1060 |
| Indonesia | 1 | 3 | 0 | 0 | 1 | 3 |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 |
| Israel | 116 | 5236 | 1100 | 975 | 1216 | 6211 |
| Malaysia | 0 | 0 | 2 | 58 | 2 | 58 |
| Pakistan | 0 | 0 | 1 | 1 | 2 | 1 |
| Philippines | 1 | 4 | 12 | 2 | 13 | 5 |
| Thailand | 1 | 59 | 0 | 0 | 1 | 59 |
| Oth Asia | 0 | 0 | 1 | 2 | 1 | 2 |
| TOTAL | 693414 | 1242391 | 25054 | 307185 | 708468 | 1549576 |
| **AFRICA** | | | | | | |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 |
| Kenya | 0 | 0 | 0 | 0 | 0 | 0 |
| Niger | 0 | 0 | 0 | 0 | 0 | 0 |
| South Africa | 5 | 50 | 32 | 167 | 37 | 217 |
| Swaziland | 0 | 0 | 4 | 3 | 4 | 3 |
| Oth Africa | 4 | 124 | 0 | 0 | 4 | 124 |
| TOTAL | 9 | 174 | 36 | 170 | 45 | 344 |

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes 8451900040 and 8461900080.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS

Metal Cutting Machine Tools - January 89 - December 89

RELEASED: February 28, 1990

| | | TOTAL YTD | |
|---|---|---|---|
| | | UNITS | $000 |
| 8456300000 | Electro-discharge machines | 344 | 5082 |
| 8457100015 | Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26") | 31 | 4918 |
| 100025 | Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26") | 9 | 1343 |
| 100035 | Horiz. mach. ctrs., ATC | 45 | 19679 |
| 100045 | Mach. ctrs., n.e.c. | 295 | 19796 |
| 200010 | Unit construction mach. (single station transfer), NC | 3 | 2683 |
| 200090 | Unit construction mach. (single station transfer), non-NC | 8 | 4445 |
| 300010 | Multi-station transfer machines, NC | 10 | 17348 |
| 300090 | Multi-station transfer machines, non-NC | 18 | 3918 |
| 8458110010 | Horiz. lathes, multiple spindle, NC | 4 | 634 |
| 110030 | Horiz. lathes, power rating under 18.65 kw (25 HP), NC | 184 | 15356 |
| 110050 | Horiz. lathes, power rating 18.65-37.3 kw (25-50 HP), NC | 50 | 9433 |
| 110090 | Horiz. lathes, power rating over 37.3 kw (50 HP), NC | 8 | 1767 |
| 190030 | Horiz. engine or toolroom lathes, non-NC | 96 | 2221 |
| 190050 | Automatic bar and/or chucking mach., single spindle, non-NC | 20 | 109 |
| 190070 | Automatic bar and/or chucking mach., mult. spindle, non-NC | 42 | 2945 |
| 190090 | Horiz. lathes, n.e.c., non-NC | 266 | 3588 |
| 911060 | Vertical turret lathes, multiple spindle, NC | 0 | 0 |
| 911080 | Vertical turret lathes, n.e.c., NC | 4 | 863 |
| 915050 | Vertical lathes, excl. VTL's, mult. spindle, NC | 2 | 539 |
| 915070 | Vertical lathes, excl. VTL's, n.e.c., NC | 13 | 1448 |
| 991050 | Vertical turret lathes, non-NC | 23 | 698 |
| 995090 | Vertical lathes, n.e.c., excl. VTL's, non-NC | 71 | 3537 |
| 8459100000 | Way-type unit head machines | 17 | 3318 |
| 210080 | Other drilling machines, NC | 107 | 7765 |
| 290040 | Drilling machines, multiple spindle, non-NC | 22 | 1240 |
| 290050 | Drilling machines, radial, non-NC | 25 | 963 |
| 290070 | Drilling, upright, ex. sensitive, turret & deep hole, non-NC | 68 | 953 |
| 290090 | Drilling machines, n.e.c., non-NC | 531 | 6009 |
| 310010 | Boring-milling mach., horiz. spind., table, excl. planer, NC | 7 | 2588 |
| 310040 | Boring-milling mach., horiz. spindle, n.e.c., NC | 4 | 738 |
| 310070 | Boring-milling mach., n.e.c., NC | 33 | 2492 |
| 390040 | Boring-milling mach., horiz. spindle, n.e.c., non-NC | 3 | 247 |
| 390050 | Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC | 103 | 2100 |
| 400040 | Boring machines, vertical, NC | 4 | 1294 |
| 400050 | Boring machines, vertical, non-NC | 41 | 1167 |
| 400070 | Boring machines, n.e.c., NC | 1 | 1350 |
| 400080 | Boring machines, n.e.c., non-NC | 55 | 3618 |
| 510080 | Milling machines, knee type, NC | 25 | 1699 |
| 590030 | Milling machines, knee type, non-NC | 54 | 2342 |
| 610080 | Milling machines, excl. knee type, n.e.c., NC | 60 | 8177 |
| 690050 | Milling machines, profile, dup., or die sinking, non-NC | 24 | 1290 |
| 690070 | Milling machines, bed type, non-NC | 55 | 7023 |
| 690090 | Milling machines, n.e.c., non-NC | 303 | 6716 |
| 700020 | Threading or tapping machines, n.e.c., NC | 34 | 2030 |
| 700080 | Threading or tapping machines, n.e.c., non-NC | 286 | 6635 |
| 8460110080 | Flat surface grinding mach., NC | 153 | 11682 |
| 190010 | Flat surface grinding mach., recip.-table type, non-NC | 117 | 1823 |
| 190050 | Flat surface grinding mach., n.e.c., non-NC | 98 | 8715 |
| 210080 | Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC | 321 | 27305 |
| 290010 | Grinding mach., external cylindrical (incl. univ.), non-NC | 45 | 5835 |
| 290030 | Grinding mach., internal cylindrical, non-NC | 59 | 5919 |
| 290050 | Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC | 474 | 21481 |
| 310080 | Sharpening machines (tool & cutter grinding), NC | 57 | 5741 |
| 390050 | Sharpening machines (tool & cutter grinding), non-NC | 1204 | 11593 |
| 400060 | Honing or lapping machines, NC | 2 | 58 |
| 400080 | Honing or lapping machines, non-NC | 741 | 9784 |
| 900060 | Grinding, honing, polishing, & lapping mach., n.e.c., NC | 35 | 1653 |
| 900080 | Grinding, honing, polishing, & lapping mach., n.e.c., non-NC | 630 | 14786 |
| 8461100060 | Planing machines, NC | 6 | 3712 |
| 100080 | Planing machines, non-NC | 176 | 6065 |
| 200010 | Shaping or slotting machines, NC | 0 | 0 |
| 200090 | Shaping or slotting machines, non-NC | 56 | 1366 |
| 300060 | Broaching machines, NC | 4 | 369 |
| 300080 | Broaching machines, non-NC | 53 | 2364 |
| 401050 | Gear hobbers | 78 | 6909 |
| 401070 | Gear shapers | 67 | 5561 |
| 401090 | Gear cutting machines, n.e.c. | 87 | 32273 |
| 405060 | Gear grinding or finishing machines | 62 | 9141 |
| 500050 | Sawing or cutting-off machines, NC | 37 | 1907 |
| 500090 | Sawing or cutting-off machines, non-NC | 1015 | 14108 |
| 9000000001 | Metal cutting machine tools, n.e.c. | 171 | 13647 |
| 9800000001 | Used or rebuilt machine tools | 6033 | 51927 |
| 9900000001 | Machine tools valued at less than $2,500 | 4017 | 14963 |

Please see notes on last page of the metal forming section.

| | | |
|---|---|---|
| X-T-D Cutting Total | 55619 | 488853 |
| NC X-T-D Cutting Total* | 1633 | 184568 |

U.S. EXPORTS

Metal Cutting Machine Tools - January 89 - December 89

| | Australia | | Austria | | Belgium | | Brazil | | Canada | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 2 | 17 | 3 | 3 | 2 | 4 | 2 | 49 | 34 | 1009 |
| 8457100015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 2722 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1128 |
| 100035 | 0 | 0 | 4 | 380 | 0 | 0 | 1 | 296 | 11 | 7071 |
| 100045 | 1 | 76 | 0 | 0 | 39 | 4050 | 2 | 204 | 35 | 2792 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 210 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 167 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 229 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 3 | 188 | 0 | 0 | 4 | 369 | 2 | 187 | 22 | 2034 |
| 110050 | 3 | 641 | 0 | 0 | 0 | 0 | 3 | 658 | 22 | 3629 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 310 |
| 190030 | 2 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 424 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 16 | 0 | 0 |
| 190070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 412 |
| 190090 | 6 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 629 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 1 | 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 1 | 12 | 0 | 0 | 1 | 133 | 3 | 93 | 9 | 783 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 852 |
| 290040 | 2 | 110 | 0 | 0 | 0 | 0 | 1 | 82 | 9 | 383 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 41 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 33 |
| 290090 | 2 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 123 | 3047 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 790 | 1 | 470 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 342 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 217 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 192 |
| 400040 | 0 | 0 | 0 | 0 | 1 | 687 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 1 | 11 | 0 | 0 | 6 | 113 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 600 | 23 | 753 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 328 | 6 | 368 |
| 590030 | 20 | 1261 | 0 | 0 | 2 | 0 | 2 | 49 | 11 | 355 |
| 610080 | 2 | 210 | 0 | 0 | 2 | 0 | 22 | 1992 | 4 | 243 |
| 690050 | 0 | 0 | 1 | 101 | 0 | 0 | 0 | 0 | 4 | 204 |
| 690070 | 4 | 1049 | 1 | 0 | 3 | 0 | 0 | 0 | 27 | 2474 |
| 690090 | 2 | 19 | 1 | 0 | 0 | 0 | 48 | 1286 | 37 | 1085 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 185 |
| 700080 | 28 | 426 | 0 | 0 | 13 | 1106 | 0 | 0 | 67 | 368 |
| 8460110080 | 0 | 0 | 0 | 0 | 1 | 44 | 0 | 0 | 12 | 1304 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 583 | 26 | 266 |
| 190050 | 1 | 115 | 1 | 283 | 0 | 0 | 8 | 571 | 12 | 508 |
| 210080 | 1 | 165 | 1 | 266 | 0 | 0 | 9 | 417 | 44 | 2226 |
| 290010 | 1 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 2690 |
| 290030 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 317 | 2 | 380 |
| 290050 | 4 | 462 | 0 | 0 | 4 | 179 | 1 | 17 | 60 | 1503 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 795 |
| 390050 | 15 | 661 | 1 | 1 | 1 | 1 | 33 | 185 | 237 | 2017 |
| 400060 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 51 | 401 | 7 | 44 | 29 | 145 | 4 | 99 | 44 | 1126 |
| 900060 | 3 | 147 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 780 |
| 900080 | 15 | 432 | 4 | 38 | 1 | 15 | 0 | 0 | 51 | 1249 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 2 | 47 | 0 | 0 | 1 | 1 | 11 | 254 | 10 | 954 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 4 | 297 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 417 |
| 300060 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 886 |
| 401050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 190 | 35 | 914 |
| 401090 | 0 | 1000 | 0 | 0 | 1 | 164 | 1 | 54 | 1 | 100 |
| 405060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 932 |
| 500050 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 19 | 385 |
| 500090 | 38 | 397 | 1 | 3 | 4 | 27 | 27 | 519 | 287 | 3109 |
| 9000000001 | 4 | 242 | 0 | 0 | 1 | 23 | 25 | 289 | 42 | 736 |
| 9800000001 | 160 | 1854 | 4 | 100 | 6 | 584 | 56 | 1494 | 805 | 6455 |
| 9900000001 | 445 | 111 | 47 | 17 | 76 | 48 | 257 | 161 | 21638 | 1161 |
| Y-T-D Tot | 821 | 11954 | 96 | 1674 | 294 | 9458 | 981 | 11815 | 24189 | 68369 |
| MC YTD Tot* | 15 | 1446 | 5 | 446 | 45 | 5143 | 49 | 4871 | 243 | 28133 |

U.S. EXPORTS

Metal Cutting Machine Tools - January 89 - December 89

| | China | | France | | India | | Indonesia | | Italy | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 0 | 0 | 1 | 73 | 2 | 65 | 0 | 0 | 23 | 19 |
| 8457100015 | 0 | 0 | 0 | 0 | 1 | 290 | 0 | 0 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 9 | 3729 | 1 | 3047 | 0 | 0 | 0 | 0 | 1 | 695 |
| 100045 | 2 | 606 | 0 | 0 | 0 | 0 | 1 | 560 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 2 | 635 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 456 | 0 | 0 |
| 110030 | 28 | 2407 | 25 | 2005 | 1 | 162 | 0 | 0 | 0 | 0 |
| 110050 | 8 | 1940 | 1 | 160 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110090 | 2 | 982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 2 | 200 | 6 | 205 | 1 | 71 | 0 | 0 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 1 | 50 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190090 | 0 | 0 | 0 | 0 | 2 | 18 | 0 | 0 | 0 | 0 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 1 | 155 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995090 | 2 | 76 | 1 | 12 | 2 | 114 | 0 | 0 | 0 | 0 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 39 |
| 210080 | 1 | 30 | 0 | 0 | 1 | 355 | 0 | 0 | 1 | 30 |
| 290040 | 1 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 130 | 0 | 0 |
| 290070 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290090 | 1 | 50 | 7 | 86 | 2 | 42 | 0 | 0 | 6 | 337 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310070 | 6 | 619 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 1744 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 5 | 586 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400070 | 1 | 1350 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 510080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 0 | 0 | 1 | 17 | 0 | 0 | 0 | 0 | 0 | 0 |
| 610080 | 0 | 0 | 1 | 185 | 0 | 0 | 0 | 0 | 4 | 373 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 1 | 18 | 1 | 20 | 0 | 0 | 0 | 0 | 5 | 165 |
| 700020 | 1 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 700080 | 2 | 410 | 3 | 367 | 1 | 217 | 0 | 0 | 0 | 0 |
| 8460110080 | 4 | 710 | 0 | 0 | 1 | 30 | 1 | 322 | 0 | 0 |
| 190010 | 0 | 0 | 0 | 0 | 2 | 25 | 0 | 0 | 0 | 0 |
| 190050 | 19 | 393 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 34 | 3055 | 13 | 1866 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290010 | 1 | 125 | 4 | 143 | 1 | 271 | 0 | 0 | 1 | 25 |
| 290030 | 1 | 916 | 1 | 34 | 7 | 573 | 0 | 0 | 0 | 0 |
| 290050 | 8 | 504 | 1 | 124 | 1 | 110 | 0 | 0 | 4 | 23 |
| 310080 | 1 | 26 | 3 | 91 | 0 | 0 | 1 | 35 | 2 | 73 |
| 390050 | 195 | 1280 | 1 | 7 | 9 | 103 | 2 | 21 | 70 | 1389 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 85 | 1017 | 43 | 511 | 6 | 708 | 2 | 30 | 44 | 461 |
| 900060 | 9 | 556 | 0 | 0 | 2 | 1147 | 0 | 0 | 0 | 0 |
| 900080 | 4 | 500 | 36 | 475 | 2 | 17 | 2 | 9 | 23 | 1080 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 1 | 115 | 1 | 65 | 2 | 149 | 0 | 0 | 2 | 190 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | 2 | 145 |
| 401050 | 1 | 361 | 1 | 342 | 0 | 0 | 0 | 0 | 3 | 578 |
| 401070 | 0 | 0 | 0 | 0 | 21 | 3884 | 0 | 0 | 0 | 0 |
| 401090 | 0 | 0 | 0 | 0 | 10 | 2047 | 0 | 0 | 7 | 2962 |
| 405060 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 25 | 19 | 2285 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500090 | 7 | 163 | 7 | 301 | 5 | 80 | 8 | 52 | 11 | 180 |
| 9000000001 | 3 | 22 | 9 | 520 | 1 | 25 | 1 | 596 | 17 | 382 |
| 9800000001 | 170 | 5386 | 109 | 882 | 44 | 1014 | 4 | 176 | 100 | 3099 |
| 9900000001 | 42 | 40 | 573 | 197 | 116 | 87 | 4 | 3 | 585 | 234 |
| Y-T-D Tot | 660 | 29051 | 853 | 11814 | 243 | 11604 | 102 | 4155 | 931 | 14764 |
| NC YTD Tot* | 107 | 16179 | 53 | 7875 | 7 | 2010 | 6 | 1968 | 19 | 1443 |

Metal Cutting Machine Tools - January 89 - December 89

| | Japan | | Korea | | Malaysia | | Mexico | | Netherlands | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 202 | 2132 | 3 | 104 | 0 | 0 | 23 | 464 | 3 | 5 |
| 8457100015 | 0 | 0 | 2 | 199 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 108 | 0 | 0 |
| 100035 | 0 | 0 | 9 | 2441 | 0 | 0 | 1 | 884 | 0 | 0 |
| 100045 | 2 | 79 | 77 | 3510 | 0 | 0 | 55 | 3005 | 0 | 0 |
| 200010 | 0 | 0 | 1 | 1030 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 1 | 178 | 0 | 0 | 0 | 0 | 2 | 2618 | 0 | 0 |
| 300010 | 0 | 0 | 1 | 345 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 2 | 239 | 3 | 968 | 0 | 0 | 4 | 704 | 1 | 220 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 178 | 0 | 0 |
| 110030 | 6 | 566 | 1 | 86 | 0 | 0 | 4 | 424 | 0 | 0 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 235 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 75 | 0 | 0 |
| 190030 | 1 | 20 | 0 | 0 | 0 | 0 | 15 | 200 | 0 | 0 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 52 | 0 | 0 |
| 190070 | 4 | 218 | 9 | 1135 | 0 | 0 | 1 | 19 | 0 | 0 |
| 190090 | 20 | 257 | 1 | 4 | 0 | 0 | 100 | 1340 | 2 | 8 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 3 | 724 | 0 | 0 | 2 | 139 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 4 | 593 | 0 | 0 | 0 | 0 | 5 | 383 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 311 | 2 | 32 |
| 995090 | 0 | 0 | 0 | 0 | 2 | 181 | 19 | 801 | 0 | 0 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 2444 | 0 | 0 |
| 210080 | 8 | 377 | 7 | 547 | 0 | 0 | 28 | 1765 | 0 | 0 |
| 290040 | 2 | 116 | 0 | 0 | 0 | 0 | 3 | 157 | 0 | 0 |
| 290050 | 0 | 0 | 7 | 340 | 0 | 0 | 3 | 24 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 |
| 290090 | 6 | 30 | 14 | 470 | 0 | 0 | 28 | 868 | 0 | 0 |
| 310010 | 0 | 0 | 1 | 643 | 0 | 0 | 1 | 107 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 180 | 0 | 0 |
| 310070 | 1 | 42 | 3 | 239 | 0 | 0 | 10 | 539 | 0 | 0 |
| 390040 | 0 | 0 | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 30 | 0 | 0 |
| 400040 | 0 | 0 | 1 | 496 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 338 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 2 | 818 | 0 | 0 | 11 | 429 | 0 | 0 |
| 510080 | 2 | 547 | 0 | 0 | 2 | 69 | 1 | 71 | 0 | 0 |
| 590030 | 1 | 16 | 0 | 0 | 0 | 0 | 4 | 175 | 0 | 0 |
| 610080 | 1 | 126 | 10 | 1154 | 1 | 66 | 7 | 1597 | 2 | 100 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 0 | 0 |
| 690070 | 0 | 0 | 1 | 1720 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 1 | 36 | 41 | 1083 | 0 | 0 | 137 | 1412 | 2 | 36 |
| 700020 | 2 | 738 | 3 | 570 | 0 | 0 | 2 | 44 | 2 | 22 |
| 700080 | 7 | 248 | 10 | 36 | 0 | 0 | 52 | 397 | 0 | 0 |
| 8460110080 | 2 | 47 | 2 | 859 | 0 | 0 | 22 | 2029 | 18 | 1963 |
| 190010 | 1 | 96 | 6 | 75 | 0 | 0 | 18 | 188 | 0 | 0 |
| 190050 | 7 | 758 | 0 | 0 | 0 | 0 | 9 | 179 | 0 | 0 |
| 210080 | 73 | 4858 | 21 | 708 | 0 | 0 | 15 | 584 | 0 | 0 |
| 290010 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 603 | 0 | 0 |
| 290030 | 4 | 218 | 0 | 0 | 0 | 0 | 5 | 212 | 0 | 0 |
| 290050 | 63 | 2495 | 4 | 815 | 0 | 0 | 101 | 8081 | 17 | 202 |
| 310080 | 9 | 332 | 2 | 51 | 0 | 0 | 1 | 28 | 0 | 0 |
| 390050 | 88 | 860 | 66 | 413 | 17 | 107 | 65 | 489 | 0 | 0 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 37 | 0 | 0 |
| 400080 | 8 | 96 | 18 | 250 | 5 | 58 | 19 | 325 | 18 | 181 |
| 900060 | 2 | 45 | 1 | 34 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900080 | 49 | 1553 | 23 | 1494 | 0 | 0 | 157 | 2865 | 3 | 20 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 7 | 890 | 4 | 855 | 0 | 0 | 108 | 1604 | 2 | 11 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 2 | 274 | 1 | 9 | 0 | 0 | 17 | 142 | 0 | 0 |
| 300060 | 0 | 0 | 1 | 248 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 4 | 194 | 11 | 1000 | 0 | 0 | 2 | 78 | 0 | 0 |
| 401050 | 0 | 0 | 8 | 1836 | 0 | 0 | 4 | 807 | 0 | 0 |
| 401070 | 0 | 0 | 2 | 47 | 0 | 0 | 6 | 129 | 0 | 0 |
| 401090 | 8 | 2432 | 2 | 962 | 3 | 246 | 12 | 1168 | 2 | 105 |
| 405060 | 4 | 1140 | 4 | 191 | 0 | 0 | 6 | 141 | 0 | 0 |
| 500050 | 3 | 444 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 |
| 500090 | 123 | 1915 | 57 | 878 | 1 | 20 | 127 | 1665 | 93 | 769 |
| 9000000001 | 40 | 1907 | 12 | 2538 | 1 | 61 | 101 | 1485 | 4 | 145 |
| 9800000001 | 175 | 1864 | 152 | 1419 | 28 | 156 | 2630 | 12618 | 140 | 628 |
| 9900000001 | 2688 | 1484 | 1074 | 581 | 43 | 36 | 3342 | 2257 | 229 | 152 |
| Y-T-D Tot | 3633 | 30662 | 1682 | 35951 | 103 | 1000 | 7360 | 60250 | 540 | 4598 |
| MC YTD Tot* | 146 | 10524 | 146 | 13881 | 3 | 135 | 173 | 12868 | 23 | 2096 |

Please see notes on last page of the metal forming section.

U.S. EXPORTS

Metal Cutting Machine Tools - January 89 - December 89

| | Singapore | | Spain | | Switzerland | | Taiwan | | Thailand | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 0 | 0 | 4 | 6 | 13 | 598 | 1 | 88 | 0 | 0 |
| 8457100015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100035 | 0 | 0 | 0 | 0 | 2 | 151 | 0 | 0 | 0 | 0 |
| 100045 | 4 | 238 | 0 | 0 | 0 | 0 | 27 | 1928 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 400 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 2 | 142 | 0 | 0 | 0 | 0 | 7 | 730 | 0 | 0 |
| 110050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190030 | 0 | 0 | 1 | 182 | 0 | 0 | 1 | 26 | 1 | 67 |
| 190050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190070 | 0 | 0 | 7 | 356 | 0 | 0 | 1 | 50 | 2 | 70 |
| 190090 | 0 | 0 | 1 | 14 | 5 | 38 | 3 | 169 | 0 | 0 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 189 | 0 | 0 |
| 991050 | 0 | 0 | 0 | 0 | 2 | 32 | 0 | 0 | 0 | 0 |
| 995090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8459100000 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 789 | 0 | 0 |
| 210080 | 6 | 212 | 2 | 164 | 1 | 92 | 0 | 0 | 0 | 0 |
| 290040 | 1 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290050 | 2 | 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290070 | 0 | 0 | 0 | 0 | 2 | 196 | 0 | 0 | 0 | 0 |
| 290090 | 69 | 336 | 1 | 58 | 2 | 11 | 44 | 280 | 0 | 0 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 193 | 0 | 0 |
| 310070 | 0 | 0 | 0 | 0 | 6 | 469 | 0 | 0 | 0 | 0 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 112 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 87 | 0 | 0 |
| 510080 | 2 | 66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 590030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 610080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690070 | 1 | 640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 690090 | 0 | 0 | 2 | 145 | 0 | 0 | 4 | 83 | 0 | 0 |
| 700020 | 2 | 55 | 0 | 0 | 0 | 0 | 5 | 163 | 0 | 0 |
| 700080 | 0 | 0 | 0 | 0 | 3 | 9 | 2 | 15 | 0 | 0 |
| 8460110080 | 5 | 176 | 0 | 0 | 1 | 49 | 5 | 263 | 13 | 570 |
| 190010 | 0 | 0 | 0 | 0 | 1 | 15 | 16 | 210 | 0 | 0 |
| 190050 | 2 | 145 | 1 | 762 | 0 | 0 | 2 | 105 | 2 | 321 |
| 210080 | 13 | 1461 | 0 | 0 | 4 | 800 | 0 | 0 | 0 | 0 |
| 290010 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 44 | 0 | 0 |
| 290030 | 1 | 15 | 0 | 0 | 3 | 130 | 5 | 195 | 0 | 0 |
| 290050 | 11 | 935 | 7 | 189 | 1 | 10 | 28 | 506 | 0 | 0 |
| 310080 | 0 | 0 | 0 | 0 | 2 | 71 | 0 | 0 | 1 | 45 |
| 390050 | 15 | 100 | 0 | 0 | 29 | 193 | 57 | 373 | 0 | 0 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 7 | 89 | 16 | 237 | 33 | 439 | 35 | 391 | 7 | 54 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 178 |
| 900080 | 8 | 81 | 5 | 39 | 26 | 271 | 19 | 992 | 10 | 68 |
| 8461100060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 0 | 0 | 0 | 0 | 1 | 14 | 0 | 0 | 0 | 0 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 1 | 111 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 0 |
| 300060 | 2 | 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 0 | 0 |
| 401050 | 1 | 85 | 0 | 0 | 2 | 70 | 0 | 0 | 1 | 20 |
| 401070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401090 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 54 | 0 | 0 |
| 405060 | 0 | 0 | 0 | 0 | 5 | 105 | 5 | 206 | 0 | 0 |
| 500050 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 81 | 0 | 0 |
| 500090 | 6 | 61 | 8 | 112 | 1 | 3 | 16 | 202 | 1 | 24 |
| 9000000001 | 6 | 297 | 1 | 677 | 5 | 64 | 10 | 74 | 2 | 125 |
| 9800000001 | 108 | 1648 | 12 | 27 | 32 | 93 | 164 | 842 | 49 | 650 |
| 9900000001 | 619 | 738 | 172 | 186 | 127 | 79 | 277 | 174 | 41 | 44 |
| Y-T-D Tot | 894 | 7885 | 240 | 3156 | 309 | 4006 | 746 | 9636 | 136 | 2635 |
| NC YTD Tot* | 36 | 2453 | 3 | 841 | 17 | 1649 | 49 | 3660 | 19 | 793 |

Please see notes on last page of the metal forming section

U.S. EXPORTS
Metal Cutting Machine Tools - January 89 - December 89

| | U.K. | | USSR | | Venezuela | | West Germany | | All Other | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8456300000 | 5 | 48 | 0 | 0 | 0 | 0 | 9 | 44 | 12 | 355 |
| 8457100015 | 4 | 608 | 0 | 0 | 1 | 196 | 1 | 150 | 5 | 753 |
| 100025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 107 |
| 100035 | 3 | 279 | 0 | 0 | 0 | 0 | 1 | 450 | 2 | 255 |
| 100045 | 28 | 1113 | 0 | 0 | 0 | 0 | 4 | 246 | 18 | 1391 |
| 200010 | 2 | 1653 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 3 | 851 | 0 | 0 | 0 | 0 | 1 | 588 | 0 | 0 |
| 300010 | 8 | 16837 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 523 |
| 8458110010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110030 | 64 | 4595 | 0 | 0 | 1 | 122 | 5 | 610 | 9 | 729 |
| 110050 | 7 | 1210 | 0 | 0 | 0 | 0 | 2 | 582 | 2 | 478 |
| 110090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 400 |
| 190030 | 29 | 646 | 0 | 0 | 0 | 0 | 4 | 52 | 9 | 89 |
| 190050 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 12 |
| 190070 | 3 | 172 | 0 | 0 | 0 | 0 | 9 | 463 | 0 | 0 |
| 190090 | 28 | 588 | 0 | 0 | 3 | 57 | 5 | 19 | 47 | 404 |
| 911060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 911080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915050 | 2 | 539 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 915070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 25 |
| 991050 | 6 | 102 | 0 | 0 | 0 | 0 | 2 | 70 | 6 | 152 |
| 995090 | 16 | 413 | 0 | 0 | 4 | 161 | 6 | 366 | 5 | 393 |
| 8459100000 | 1 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210080 | 0 | 0 | 0 | 0 | 1 | 125 | 13 | 1114 | 26 | 2101 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 250 | 2 | 32 |
| 290050 | 0 | 0 | 0 | 0 | 3 | 12 | 0 | 0 | 6 | 303 |
| 290070 | 55 | 707 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| 290090 | 2 | 6 | 0 | 0 | 1 | 18 | 0 | 0 | 23 | 358 |
| 310010 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 579 | 0 | 0 |
| 310040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 366 |
| 310070 | 0 | 0 | 0 | 0 | 1 | 42 | 0 | 0 | 2 | 199 |
| 390040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 1 | 5 | 0 | 0 | 3 | 63 | 0 | 0 | 11 | 66 |
| 400040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400050 | 0 | 0 | 0 | 0 | 2 | 40 | 0 | 0 | 4 | 78 |
| 400070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 50 | 13 | 881 |
| 510080 | 1 | 124 | 0 | 0 | 1 | 58 | 0 | 0 | 2 | 69 |
| 590030 | 6 | 171 | 0 | 0 | 0 | 0 | 2 | 64 | 7 | 233 |
| 610080 | 1 | 1831 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 299 |
| 690050 | 1 | 46 | 0 | 0 | 0 | 0 | 16 | 924 | 0 | 0 |
| 690070 | 7 | 350 | 0 | 0 | 0 | 0 | 15 | 790 | 0 | 0 |
| 690090 | 1 | 101 | 0 | 0 | 0 | 0 | 3 | 77 | 18 | 1150 |
| 700020 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 218 | 1 | 21 |
| 700080 | 3 | 158 | 0 | 0 | 12 | 2316 | 7 | 108 | 76 | 454 |
| 8460110080 | 20 | 1156 | 0 | 0 | 3 | 100 | 13 | 603 | 30 | 1457 |
| 190010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 424 |
| 190050 | 3 | 580 | 0 | 0 | 1 | 12 | 10 | 2928 | 12 | 1136 |
| 210080 | 29 | 4204 | 17 | 608 | 0 | 0 | 28 | 4546 | 19 | 1340 |
| 290010 | 3 | 125 | 0 | 0 | 0 | 0 | 5 | 982 | 3 | 782 |
| 290030 | 15 | 2456 | 0 | 0 | 0 | 0 | 14 | 472 | 0 | 0 |
| 290050 | 58 | 3345 | 0 | 0 | 1 | 21 | 78 | 1419 | 12 | 542 |
| 310080 | 14 | 497 | 5 | 2630 | 1 | 35 | 6 | 903 | 4 | 130 |
| 390050 | 54 | 1283 | 41 | 267 | 2 | 51 | 117 | 826 | 120 | 818 |
| 400060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 21 |
| 400080 | 14 | 173 | 14 | 220 | 1 | 8 | 146 | 1653 | 85 | 902 |
| 900060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 766 |
| 900080 | 35 | 611 | 0 | 0 | 9 | 54 | 69 | 1219 | 64 | 1686 |
| 8461100060 | 6 | 3712 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100080 | 2 | 99 | 0 | 0 | 6 | 161 | 8 | 560 | 8 | 92 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200090 | 3 | 40 | 0 | 0 | 1 | 9 | 2 | 39 | 2 | 8 |
| 300060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 29 | 0 | 0 |
| 401050 | 0 | 0 | 0 | 0 | 9 | 222 | 44 | 1523 | 4 | 1065 |
| 401070 | 7 | 254 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 143 |
| 401090 | 6 | 530 | 12 | 14657 | 0 | 0 | 6 | 1466 | 12 | 4087 |
| 405060 | 1 | 672 | 2 | 2496 | 0 | 0 | 0 | 0 | 8 | 746 |
| 500050 | 9 | 512 | 0 | 0 | 1 | 24 | 1 | 132 | 2 | 325 |
| 500090 | 143 | 2157 | 3 | 31 | 6 | 101 | 30 | 413 | 75 | 948 |
| 9000000001 | 9 | 291 | 2 | 15 | 10 | 95 | 22 | 1382 | 36 | 1659 |
| 9800000001 | 208 | 2934 | 0 | 0 | 159 | 1389 | 167 | 1782 | 550 | 4933 |
| 9900000001 | 1984 | 1289 | 0 | 0 | 64 | 41 | 997 | 578 | 4752 | 2860 |
| Y-T-D Tot | 2912 | 60151 | 96 | 20925 | 307 | 5531 | 1882 | 31271 | 6155 | 39549 |
| NC YTD Tot* | 199 | 38890 | 22 | 3238 | 10 | 701 | 93 | 11078 | 145 | 11851 |

Please see notes on last page of

U.S. EXPORTS

Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - December 89

RELEASED: February 28, 1990

| Metal Forming Machine Tools | | TOTAL YTD UNITS | $000 |
|---|---|---|---|
| 8454300010 | Die casting machines | 535 | 8753 |
| 8462100030 | Headers and upsetters, including cold headers | 121 | 20559 |
| 100050 | Forging or die stamping machines, and hammers, n.e.c. | 681 | 20262 |
| 210080 | Bending, folding, straight, or flat, mach., incl presses, NC | 312 | 21357 |
| 290030 | Press brakes, non-NC | 33 | 1308 |
| 290040 | Bending rolls, non-NC | 56 | 1686 |
| 290050 | Bending, folding, straight., or flat., n.e.c., non-NC | 618 | 22357 |
| 310080 | Shearing machines, NC | 59 | 4249 |
| 390050 | Shearing machines, non-NC | 274 | 5471 |
| 410080 | Punching or notching mach., incl. comb. punch & shear, NC | 162 | 23923 |
| 490050 | Punching or notching mach., incl. comb. punch & sh., non-NC | 772 | 23777 |
| 910060 | Hydraulic presses, NC | 87 | 6697 |
| 910090 | Hydraulic presses, non-NC | 595 | 25652 |
| 990030 | Presses, n.e.c., NC | 64 | 7435 |
| 990040 | Presses, mechanical, non-NC | 223 | 13211 |
| 990060 | Presses, n.e.c., non-NC | 675 | 39407 |
| 8463100080 | Draw benches for bars, tubes, profiles, wire or the like | 273 | 6784 |
| 200080 | Thread rolling machines | 42 | 2873 |
| 300080 | Machines for working wire | 929 | 31943 |
| 900080 | Metal forming machine tools, n.e.c. | 2035 | 104370 |
| 9800000002 | Used or rebuilt machine tools | 3259 | 63746 |
| 9900000002 | Machine tools valued at less than $2,500 | 6403 | 4837 |
| | Y-T-D Forming Total | 18208 | 460956 |
| | NC Y-T-D Forming Total | 684 | 63660 |
| | Cutting and Forming Totals: | | |
| | Y-T-D Total | 73847 | 949789 |
| | NC Y-T-D Total* | 2317 | 248248 |

| Other Manufacturing Technology | | TOTAL YTD UNITS | $000 |
|---|---|---|---|
| 1000000000 | Machine tool parts and accessories | 0 | 714343 |
| 2710003070 | Quenching or cutting oils | 0 | 12692 |
| 8428900010 | Industrial robots for lifting, handling, loading or unload | 838 | 12570 |
| 8456100000 | Laser, light or photon beam for working any material | 2303 | 43081 |
| 200000 | Ultrasonic process for working any material | 92 | 798 |
| 8477106010 | Injection molding mach., for rubber or oth. thermosetting | 239 | 21666 |
| 106050 | Injection molding mach., for thermoplastics | 400 | 47037 |
| 200010 | Extruders for rubber or other thermosetting materials | 260 | 11772 |
| 200050 | Extruders for processing thermoplastics | 940 | 35563 |
| 300000 | Blow molding machines | 509 | 28366 |
| 400000 | Vacuum-molding and other thermoforming machines | 1554 | 15110 |
| 8479899040 | Industrial robots, n.e.c. | 2417 | 34221 |
| 900040 | Industrial robot parts | 0 | 15601 |
| 8537100030 | Numerical controls for controlling machine tools | 9154 | 40757 |
| 9024100000 | Machines and appliances for testing metals | 0 | 74219 |
| 9031100000 | Machines for balancing mechanical parts | 0 | 21293 |
| 300000 | Profile projectors | 0 | 7997 |
| 9032810040 | Industrial process control instr., hydraulic or pneumatic | 778332 | 46924 |

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* 'NC Y-T-D Total' does not include code 8456300000.
Note: '0' in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS

Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 89 - December 89

Metal Forming

| | Australia | | Austria | | Belgium | | Brazil | | Canada | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 23 | 182 | 3 | 26 | 3 | 31 | 1 | 34 | 141 | 2426 |
| 8462100030 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1375 | 7 | 400 |
| 100050 | 10 | 311 | 4 | 64 | 5 | 113 | 3 | 67 | 86 | 1741 |
| 210080 | 15 | 450 | 0 | 0 | 0 | 0 | 6 | 294 | 43 | 2241 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 338 |
| 290040 | 2 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 335 |
| 290050 | 21 | 288 | 0 | 0 | 1 | 7 | 3 | 38 | 173 | 3941 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 879 |
| 390050 | 1 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 1219 |
| 410080 | 6 | 755 | 0 | 0 | 0 | 0 | 1 | 83 | 71 | 10500 |
| 490050 | 13 | 172 | 1 | 127 | 1 | 4 | 14 | 414 | 155 | 1835 |
| 910060 | 4 | 127 | 0 | 0 | 0 | 0 | 1 | 32 | 11 | 311 |
| 910090 | 7 | 125 | 0 | 0 | 8 | 2553 | 1 | 43 | 59 | 2953 |
| 990030 | 3 | 207 | 0 | 0 | 0 | 0 | 3 | 324 | 11 | 335 |
| 990040 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 1570 | 16 | 850 |
| 990060 | 10 | 330 | 0 | 0 | 3 | 38 | 2 | 173 | 67 | 2484 |
| 8463100080 | 3 | 180 | 0 | 0 | 1 | 23 | 7 | 131 | 23 | 572 |
| 200080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 109 |
| 300080 | 7 | 144 | 5 | 83 | 1 | 8 | 55 | 1225 | 65 | 1648 |
| 900080 | 92 | 2525 | 2 | 408 | 9 | 967 | 16 | 1868 | 98 | 1187 |
| 9800000002 | 29 | 983 | 1 | 27 | 34 | 974 | 58 | 1697 | 360 | 4952 |
| 9900000002 | 331 | 258 | 93 | 79 | 79 | 71 | 0 | 0 | 1435 | 1137 |
| Y-T-D Tot | 577 | 7094 | 109 | 815 | 145 | 4787 | 204 | 9365 | 2913 | 42396 |
| NC YTD Tot | 28 | 1539 | 0 | 0 | 0 | 0 | 11 | 732 | 146 | 14267 |
| C&F YTD | 1398 | 18248 | 169 | 2090 | 349 | 12413 | 785 | 21180 | 27102 | 110765 |
| C&F NC YTD* | 43 | 3185 | 5 | 646 | 45 | 5149 | 60 | 5604 | 389 | 42399 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 12140 | 0 | 1763 | 0 | 7192 | 0 | 11061 | 0 | 115688 |
| 2710003070 | 0 | 401 | 0 | 0 | 0 | 92 | 0 | 608 | 0 | 1554 |
| 8428900010 | 30 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 241 | 4169 |
| 8456100000 | 7 | 155 | 1 | 29 | 8 | 141 | 0 | 0 | 175 | 3635 |
| 200000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 187 |
| 8477106010 | 3 | 344 | 0 | 0 | 3 | 133 | 1 | 71 | 31 | 1588 |
| 106050 | 2 | 91 | 6 | 436 | 4 | 214 | 7 | 1282 | 106 | 13341 |
| 200010 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 298 | 16 | 472 |
| 200050 | 16 | 1565 | 0 | 0 | 5 | 543 | 34 | 837 | 223 | 6511 |
| 300000 | 5 | 2182 | 0 | 0 | 0 | 0 | 1 | 14 | 75 | 4814 |
| 400000 | 98 | 493 | 0 | 0 | 56 | 475 | 34 | 107 | 307 | 2476 |
| 8479899040 | 8 | 301 | 1 | 3 | 4 | 92 | 3 | 15 | 452 | 6917 |
| 900040 | 0 | 45 | 0 | 8 | 0 | 49 | 0 | 0 | 0 | 2401 |
| 8537100030 | 106 | 496 | 115 | 602 | 21 | 134 | 6 | 13 | 483 | 2636 |
| 9024100000 | 0 | 1447 | 0 | 165 | 0 | 669 | 0 | 1300 | 0 | 6560 |
| 9031100000 | 0 | 162 | 0 | 3 | 0 | 0 | 0 | 62 | 0 | 5019 |
| 300000 | 0 | 7 | 0 | 0 | 0 | 5 | 0 | 13 | 0 | 366 |
| 9032810040 | 13683 | 1012 | 7834 | 414 | 12802 | 769 | 6771 | 377 | 101144 | 5176 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS

Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 89 - December 89

Metal Forming

| | China | | France | | India | | Indonesia | | Italy | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 48 | 1602 | 22 | 179 | 21 | 234 | 2 | 11 | 6 | 287 |
| 8462100030 | 2 | 38 | 2 | 913 | 1 | 1070 | 0 | 0 | 0 | 0 |
| 100050 | 3 | 635 | 6 | 356 | 17 | 248 | 0 | 0 | 2 | 196 |
| 210080 | 1 | 145 | 3 | 76 | 2 | 123 | 2 | 82 | 3 | 1191 |
| 290030 | 0 | 0 | 0 | 0 | 6 | 289 | 0 | 0 | 1 | 8 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |
| 290050 | 5 | 818 | 23 | 779 | 11 | 1024 | 0 | 0 | 17 | 369 |
| 310080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 1 | 9 | 2 | 41 | 1 | 32 | 0 | 0 | 0 | 0 |
| 410080 | 2 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 490050 | 35 | 663 | 17 | 641 | 10 | 629 | 1 | 5 | 16 | 695 |
| 910060 | 20 | 665 | 1 | 285 | 1 | 877 | 0 | 0 | 0 | 0 |
| 910090 | 0 | 0 | 6 | 58 | 5 | 1620 | 1 | 6 | 6 | 127 |
| 990030 | 1 | 109 | 2 | 330 | 1 | 67 | 0 | 0 | 3 | 1591 |
| 990040 | 2 | 170 | 24 | 2604 | 4 | 192 | 0 | 0 | 0 | 0 |
| 990060 | 0 | 0 | 39 | 2246 | 5 | 40 | 0 | 0 | 9 | 412 |
| 8463100080 | 0 | 0 | 5 | 94 | 2 | 70 | 0 | 0 | 2 | 54 |
| 200080 | 1 | 195 | 1 | 40 | 1 | 32 | 0 | 0 | 0 | 0 |
| 300080 | 53 | 2285 | 43 | 911 | 6 | 66 | 0 | 0 | 45 | 2650 |
| 900080 | 5 | 840 | 15 | 383 | 14 | 1934 | 1 | 29 | 51 | 1633 |
| 9800000002 | 77 | 3321 | 80 | 614 | 10 | 359 | 8 | 89 | 31 | 598 |
| 9900000002 | 0 | 0 | 143 | 84 | 15 | 14 | 14 | 12 | 65 | 36 |
| Y-T-D Tot | 256 | 11700 | 434 | 10636 | 133 | 8919 | 29 | 234 | 253 | 9856 |
| NC YTD Tot | 24 | 1122 | 6 | 691 | 4 | 1067 | 2 | 82 | 6 | 2782 |
| C&F YTD | 916 | 40750 | 1287 | 22450 | 376 | 20523 | 131 | 4389 | 1189 | 24621 |
| C&F NC YTD* | 131 | 17301 | 59 | 8566 | 11 | 3077 | 8 | 2050 | 25 | 4225 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 23876 | 0 | 16863 | 0 | 5818 | 0 | 1081 | 0 | 16315 |
| 2710003070 | 0 | 8 | 0 | 44 | 0 | 287 | 0 | 322 | 0 | 117 |
| 8428900010 | 36 | 363 | 115 | 677 | 1 | 62 | 0 | 0 | 3 | 138 |
| 8456100000 | 31 | 1456 | 38 | 1176 | 21 | 803 | 1 | 33 | 14 | 442 |
| 200000 | 0 | 0 | 1 | 14 | 1 | 25 | 0 | 0 | 0 | 0 |
| 8477106010 | 0 | 0 | 4 | 334 | 0 | 0 | 0 | 0 | 3 | 416 |
| 106050 | 0 | 0 | 1 | 368 | 0 | 0 | 0 | 0 | 4 | 323 |
| 200010 | 4 | 417 | 4 | 106 | 11 | 924 | 0 | 0 | 0 | 0 |
| 200050 | 17 | 2045 | 36 | 910 | 15 | 372 | 0 | 0 | 9 | 352 |
| 300000 | 3 | 678 | 12 | 1569 | 4 | 93 | 0 | 0 | 31 | 259 |
| 400000 | 25 | 2321 | 12 | 644 | 4 | 90 | 1 | 11 | 6 | 176 |
| 8479899040 | 14 | 2150 | 118 | 2154 | 5 | 424 | 0 | 0 | 56 | 844 |
| 900040 | 0 | 116 | 0 | 452 | 0 | 59 | 0 | 0 | 0 | 138 |
| 8537100030 | 163 | 747 | 979 | 4067 | 13 | 41 | 1 | 15 | 405 | 1176 |
| 9024100000 | 0 | 1651 | 0 | 1758 | 0 | 858 | 0 | 68 | 0 | 1606 |
| 9031100000 | 0 | 452 | 0 | 146 | 0 | 1434 | 0 | 4 | 0 | 48 |
| 300000 | 0 | 21 | 0 | 53 | 0 | 0 | 0 | 3 | 0 | 277 |
| 9032810040 | 8790 | 1302 | 37103 | 2345 | 1269 | 162 | 232 | 19 | 48575 | 3437 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS

Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 89 - December 89

Metal Forming

| | Japan | | Korea | | Malaysia | | Mexico | | Netherlands | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 16 | 212 | 20 | 501 | 2 | 17 | 23 | 424 | 1 | 6 |
| 8462100030 | 35 | 6281 | 42 | 5005 | 0 | 0 | 6 | 41 | 0 | 0 |
| 100050 | 97 | 5272 | 45 | 1199 | 0 | 0 | 134 | 2624 | 2 | 39 |
| 210080 | 78 | 5436 | 46 | 3245 | 0 | 0 | 31 | 1531 | 1 | 17 |
| 290030 | 5 | 206 | 1 | 49 | 0 | 0 | 9 | 290 | 0 | 0 |
| 290040 | 2 | 57 | 0 | 0 | 0 | 0 | 19 | 772 | 0 | 0 |
| 290050 | 27 | 1552 | 43 | 2716 | 2 | 22 | 92 | 2592 | 10 | 173 |
| 310080 | 9 | 436 | 2 | 52 | 1 | 67 | 10 | 473 | 1 | 40 |
| 390050 | 21 | 330 | 74 | 787 | 1 | 20 | 39 | 517 | 6 | 88 |
| 410080 | 3 | 1321 | 6 | 1505 | 6 | 994 | 8 | 1648 | 17 | 2235 |
| 490050 | 38 | 814 | 34 | 3864 | 1 | 9 | 106 | 2116 | 1 | 146 |
| 910060 | 4 | 190 | 0 | 0 | 1 | 17 | 12 | 363 | 1 | 84 |
| 910090 | 9 | 1532 | 32 | 2932 | 0 | 0 | 365 | 4066 | 5 | 69 |
| 990030 | 8 | 1027 | 0 | 0 | 0 | 0 | 3 | 366 | 4 | 493 |
| 990040 | 22 | 1059 | 10 | 404 | 1 | 51 | 17 | 649 | 0 | 0 |
| 990060 | 36 | 1776 | 32 | 2413 | 0 | 0 | 320 | 12291 | 0 | 0 |
| 8463100080 | 41 | 1009 | 5 | 100 | 0 | 0 | 33 | 611 | 12 | 307 |
| 200080 | 6 | 274 | 1 | 93 | 0 | 0 | 11 | 1609 | 0 | 0 |
| 300080 | 24 | 1171 | 7 | 183 | 6 | 81 | 62 | 1009 | 4 | 48 |
| 900080 | 159 | 15336 | 425 | 27133 | 6 | 85 | 150 | 2067 | 13 | 107 |
| 9800000002 | 38 | 2007 | 171 | 10161 | 4 | 260 | 1114 | 10113 | 180 | 2942 |
| 9900000002 | 304 | 182 | 320 | 268 | 0 | 0 | 902 | 856 | 154 | 118 |
| Y-T-D Tot | 982 | 47480 | 1316 | 62610 | 31 | 1623 | 3466 | 47026 | 412 | 6913 |
| NC YTD Tot | 102 | 8409 | 54 | 4802 | 8 | 1078 | 64 | 4382 | 24 | 2870 |
| C&F YTD | 4615 | 78142 | 2998 | 98561 | 134 | 2623 | 10826 | 107276 | 952 | 11511 |
| C&F NC YTD* | 248 | 18933 | 200 | 18683 | 11 | 1213 | 237 | 17249 | 47 | 4966 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 68109 | 0 | 41534 | 0 | 3944 | 0 | 56799 | 0 | 6233 |
| 2710003070 | 0 | 725 | 0 | 216 | 0 | 73 | 0 | 850 | 0 | 76 |
| 8428900010 | 78 | 789 | 8 | 690 | 4 | 13 | 115 | 3535 | 0 | 0 |
| 8456100000 | 1251 | 15462 | 19 | 824 | 9 | 954 | 71 | 568 | 5 | 158 |
| 200000 | 63 | 88 | 0 | 0 | 0 | 0 | 2 | 23 | 0 | 0 |
| 8477106010 | 4 | 374 | 14 | 2726 | 16 | 1729 | 116 | 7923 | 1 | 71 |
| 106050 | 10 | 2071 | 22 | 4825 | 0 | 0 | 84 | 10080 | 16 | 1236 |
| 200010 | 10 | 1037 | 27 | 1448 | 0 | 0 | 102 | 4286 | 0 | 0 |
| 200050 | 68 | 1177 | 63 | 700 | 4 | 82 | 136 | 5953 | 7 | 197 |
| 300000 | 5 | 60 | 40 | 2185 | 0 | 0 | 141 | 4002 | 1 | 15 |
| 400000 | 149 | 422 | 52 | 534 | 0 | 0 | 119 | 2458 | 56 | 441 |
| 8479899040 | 173 | 4692 | 61 | 1708 | 2 | 105 | 7 | 107 | 36 | 213 |
| 900040 | 0 | 3891 | 0 | 674 | 0 | 19 | 0 | 663 | 0 | 40 |
| 8537100030 | 218 | 2347 | 747 | 979 | 30 | 89 | 224 | 674 | 154 | 1344 |
| 9024100000 | 0 | 16955 | 0 | 9697 | 0 | 980 | 0 | 2642 | 0 | 914 |
| 9031100000 | 0 | 731 | 0 | 4092 | 0 | 78 | 0 | 2747 | 0 | 72 |
| 300000 | 0 | 4686 | 0 | 357 | 0 | 90 | 0 | 17 | 0 | 13 |
| 9032810040 | 51717 | 4039 | 8787 | 1138 | 131 | 17 | 36843 | 1573 | 85375 | 4676 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS

Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 89 - December 89

Metal Forming

| | Singapore | | Spain | | Switzerland | | Taiwan | | Thailand | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 2 | 12 | 0 | 0 | 1 | 8 | 9 | 74 | 2 | 16 |
| 8462100030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 676 |
| 100050 | 11 | 307 | 6 | 297 | 0 | 0 | 7 | 103 | 9 | 156 |
| 210080 | 0 | 0 | 1 | 44 | 6 | 197 | 6 | 1666 | 0 | 0 |
| 290030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290040 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 0 | 0 |
| 290050 | 27 | 992 | 6 | 127 | 9 | 159 | 3 | 38 | 8 | 77 |
| 310080 | 5 | 1367 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 390050 | 0 | 0 | 26 | 713 | 0 | 0 | 2 | 72 | 0 | 0 |
| 410080 | 8 | 833 | 0 | 0 | 1 | 113 | 12 | 802 | 3 | 215 |
| 490050 | 12 | 88 | 22 | 838 | 10 | 88 | 38 | 1243 | 11 | 169 |
| 910060 | 0 | 0 | 1 | 94 | 0 | 0 | 5 | 2163 | 3 | 241 |
| 910090 | 3 | 53 | 2 | 134 | 3 | 144 | 4 | 405 | 0 | 0 |
| 990030 | 2 | 346 | 0 | 0 | 1 | 65 | 3 | 233 | 1 | 165 |
| 990040 | 2 | 924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 990060 | 3 | 23 | 10 | 412 | 1 | 22 | 5 | 783 | 1 | 10 |
| 8463100080 | 32 | 480 | 4 | 71 | 4 | 109 | 1 | 10 | 5 | 166 |
| 200080 | 0 | 0 | 5 | 258 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300080 | 5 | 87 | 17 | 599 | 6 | 130 | 9 | 173 | 11 | 358 |
| 900080 | 15 | 2056 | 9 | 433 | 15 | 475 | 75 | 14287 | 7 | 168 |
| 9800000002 | 20 | 561 | 4 | 244 | 6 | 20 | 25 | 449 | 69 | 1476 |
| 9900000002 | 55 | 64 | 2 | 2 | 17 | 15 | 72 | 62 | 2 | 3 |
| Y-T-D Tot | 202 | 8193 | 115 | 4265 | 80 | 1546 | 277 | 22573 | 138 | 3896 |
| NC YTD Tot | 15 | 2546 | 2 | 138 | 8 | 375 | 26 | 4863 | 7 | 621 |
| C&F YTD | 1096 | 16079 | 355 | 7421 | 389 | 5552 | 1023 | 32209 | 274 | 6531 |
| C&F NC YTD* | 51 | 4998 | 5 | 979 | 25 | 2025 | 75 | 8523 | 26 | 1414 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 12371 | 0 | 6512 | 0 | 10002 | 0 | 13100 | 0 | 3399 |
| 2710003070 | 0 | 331 | 0 | 218 | 0 | 82 | 0 | 2426 | 0 | 196 |
| 8428900010 | 28 | 138 | 3 | 232 | 14 | 20 | 0 | 0 | 0 | 0 |
| 8456100000 | 10 | 245 | 6 | 109 | 6 | 325 | 62 | 3263 | 0 | 0 |
| 200000 | 0 | 0 | 7 | 179 | 1 | 17 | 0 | 0 | 0 | 0 |
| 8477106010 | 0 | 0 | 5 | 1911 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106050 | 17 | 1655 | 6 | 484 | 3 | 208 | 25 | 1632 | 0 | 0 |
| 200010 | 1 | 60 | 0 | 0 | 0 | 0 | 13 | 565 | 0 | 0 |
| 200050 | 7 | 613 | 1 | 200 | 0 | 0 | 67 | 1479 | 5 | 116 |
| 300000 | 6 | 45 | 6 | 266 | 1 | 12 | 7 | 122 | 11 | 1448 |
| 400000 | 36 | 327 | 0 | 0 | 261 | 300 | 2 | 12 | 4 | 73 |
| 8479899040 | 50 | 311 | 12 | 170 | 93 | 1434 | 64 | 510 | 0 | 0 |
| 900040 | 0 | 96 | 0 | 58 | 0 | 175 | 0 | 40 | 0 | 0 |
| 8537100030 | 94 | 298 | 28 | 161 | 455 | 673 | 140 | 630 | 18 | 151 |
| 9024100000 | 0 | 1935 | 0 | 2153 | 0 | 409 | 0 | 3458 | 0 | 144 |
| 9031100000 | 0 | 914 | 0 | 55 | 0 | 44 | 0 | 407 | 0 | 45 |
| 300000 | 0 | 212 | 0 | 160 | 0 | 37 | 0 | 392 | 0 | 0 |
| 9032810040 | 30393 | 1983 | 21184 | 1160 | 2647 | 291 | 31870 | 1814 | 80673 | 313 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS

Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 89 - December 89

Metal Forming

| | U.K. | | USSR | | Venezuela | | West Germany | | All Other | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | $000 | Units | $000 | Units | $000 | Units | $000 | Units | $000 |
| 8454300010 | 29 | 194 | 0 | 0 | 55 | 1399 | 42 | 184 | 63 | 694 |
| 8462100030 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 3432 | 3 | 1629 |
| 100050 | 85 | 2031 | 0 | 0 | 18 | 362 | 13 | 358 | 118 | 3785 |
| 210080 | 28 | 1255 | 0 | 0 | 1 | 19 | 1 | 71 | 38 | 3274 |
| 290030 | 1 | 124 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| 290040 | 1 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 442 |
| 290050 | 21 | 855 | 0 | 0 | 9 | 142 | 39 | 1777 | 68 | 3869 |
| 310080 | 15 | 573 | 1 | 69 | 1 | 34 | 0 | 0 | 4 | 258 |
| 390050 | 9 | 170 | 0 | 0 | 0 | 0 | 2 | 632 | 42 | 819 |
| 410080 | 5 | 1036 | 0 | 0 | 1 | 36 | 4 | 916 | 8 | 727 |
| 490050 | 70 | 3404 | 0 | 0 | 2 | 118 | 47 | 2136 | 117 | 3556 |
| 910060 | 8 | 198 | 2 | 108 | 0 | 0 | 3 | 121 | 9 | 823 |
| 910090 | 9 | 1535 | 0 | 0 | 5 | 1270 | 12 | 2300 | 53 | 3728 |
| 990030 | 4 | 467 | 0 | 0 | 0 | 0 | 2 | 50 | 12 | 1258 |
| 990040 | 36 | 2110 | 1 | 694 | 0 | 0 | 43 | 1110 | 16 | 823 |
| 990060 | 41 | 5290 | 0 | 0 | 14 | 287 | 41 | 8003 | 36 | 2373 |
| 8463100080 | 9 | 72 | 0 | 0 | 1 | 12 | 35 | 733 | 48 | 1983 |
| 200080 | 1 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 244 |
| 300080 | 251 | 12192 | 2 | 106 | 23 | 575 | 56 | 2031 | 166 | 4181 |
| 900080 | 79 | 6662 | 0 | 0 | 12 | 419 | 116 | 4493 | 651 | 18874 |
| 9800000002 | 54 | 1217 | 0 | 0 | 81 | 3726 | 47 | 1432 | 758 | 15523 |
| 9900000002 | 489 | 274 | 0 | 0 | 32 | 29 | 581 | 444 | 1298 | 830 |
| | | | | | | | | | | |
| Y-T-D Tot | 1245 | 39704 | 6 | 977 | 255 | 8427 | 1097 | 30225 | 3528 | 69698 |
| NC YTD Tot | 60 | 3529 | 3 | 176 | 3 | 89 | 10 | 1158 | 71 | 6341 |
| | | | | | | | | | | |
| C&F YTD | 4157 | 99854 | 102 | 21901 | 562 | 13958 | 2979 | 61496 | 9683 | 109248 |
| C&F NC YTD* | 259 | 42419 | 25 | 3415 | 13 | 790 | 103 | 12236 | 216 | 18203 |

Other Manufacturing Technology

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000000000 | 0 | 85346 | 0 | 947 | 0 | 12371 | 0 | 59335 | 0 | 122544 |
| 2710003070 | 0 | 133 | 0 | 0 | 0 | 504 | 0 | 143 | 0 | 3285 |
| 8428900010 | 26 | 1088 | 0 | 0 | 0 | 0 | 83 | 451 | 53 | 136 |
| 8456100000 | 178 | 2651 | 8 | 193 | 7 | 160 | 81 | 3818 | 294 | 6482 |
| 200000 | 12 | 239 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 |
| 8477106010 | 3 | 179 | 4 | 565 | 2 | 148 | 7 | 1063 | 22 | 2090 |
| 106050 | 27 | 2093 | 0 | 0 | 6 | 689 | 25 | 3812 | 29 | 2198 |
| 200010 | 0 | 0 | 0 | 0 | 5 | 59 | 48 | 1765 | 17 | 335 |
| 200050 | 43 | 2648 | 0 | 0 | 12 | 1709 | 32 | 1008 | 140 | 6545 |
| 300000 | 31 | 692 | 5 | 1976 | 35 | 642 | 24 | 1819 | 65 | 5472 |
| 400000 | 142 | 1464 | 0 | 0 | 2 | 12 | 99 | 899 | 109 | 1375 |
| 8479899040 | 163 | 2587 | 1 | 50 | 2 | 9 | 938 | 7716 | 154 | 1710 |
| 900040 | 0 | 3396 | 0 | 0 | 0 | 8 | 0 | 2409 | 0 | 865 |
| 8537100030 | 2595 | 14451 | 0 | 0 | 134 | 72 | 1387 | 5163 | 638 | 3798 |
| 9024100000 | 0 | 5713 | 0 | 304 | 0 | 310 | 0 | 5742 | 0 | 6781 |
| 9031100000 | 0 | 1199 | 0 | 0 | 0 | 128 | 0 | 772 | 0 | 2679 |
| 300000 | 0 | 598 | 0 | 0 | 0 | 0 | 0 | 275 | 0 | 414 |
| 9032810040 | 65961 | 5124 | 1709 | 50 | 4929 | 914 | 49503 | 3693 | 68407 | 5129 |

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 89 - December 89

| | METAL CUTTING | | METAL FORMING | | TOTAL | |
|---|---|---|---|---|---|---|
| | UNITS | $000 | UNITS | $000 | UNITS | $000 |
| **EUROPE** | | | | | | |
| Bulgaria | 4 | 145 | 0 | 0 | 4 | 145 |
| Czechoslovakia | 2 | 152 | 0 | 0 | 2 | 152 |
| Denmark | 19 | 236 | 213 | 1392 | 232 | 1628 |
| East Germany | 0 | 0 | 1 | 76 | 1 | 76 |
| Finland | 291 | 196 | 28 | 386 | 319 | 582 |
| Greece | 33 | 753 | 10 | 2258 | 43 | 3011 |
| Hungary | 24 | 3643 | 3 | 93 | 27 | 3736 |
| Iceland | 0 | 0 | 0 | 0 | 0 | 0 |
| Ireland | 36 | 1135 | 97 | 5619 | 133 | 6753 |
| Luxembourg | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | 27 | 179 | 40 | 857 | 67 | 1036 |
| Poland | 35 | 1030 | 16 | 3083 | 51 | 4113 |
| Portugal | 21 | 237 | 20 | 704 | 41 | 941 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 |
| Sweden | 277 | 2419 | 162 | 5999 | 439 | 8418 |
| Turkey | 30 | 2194 | 17 | 522 | 47 | 2716 |
| Yugoslavia | 11 | 181 | 16 | 627 | 27 | 809 |
| Oth Europe | 1 | 26 | 2 | 95 | 3 | 121 |
| TOTAL | 8838 | 172111 | 4526 | 131433 | 13364 | 303544 |
| **NORTH AND CENTRAL AMERICA** | | | | | | |
| Bahamas | 131 | 133 | 6 | 63 | 137 | 196 |
| Barbados | 9 | 39 | 16 | 99 | 25 | 138 |
| Belize | 3 | 20 | 0 | 0 | 3 | 20 |
| Bermuda | 10 | 235 | 1 | 3 | 11 | 238 |
| Costa Rica | 462 | 403 | 22 | 118 | 484 | 521 |
| Dominican Rep | 49 | 332 | 86 | 839 | 135 | 1171 |
| El Salvador | 19 | 414 | 10 | 60 | 29 | 473 |
| Guatemala | 28 | 123 | 53 | 1058 | 81 | 1181 |
| Haiti | 0 | 0 | 15 | 85 | 15 | 85 |
| Honduras | 8 | 83 | 23 | 549 | 31 | 632 |
| Jamaica | 67 | 423 | 17 | 318 | 84 | 740 |
| Panama | 12 | 199 | 10 | 334 | 22 | 533 |
| Trinidad | 14 | 57 | 9 | 100 | 23 | 157 |
| Oth N & C Am. | 15 | 217 | 84 | 782 | 99 | 999 |
| TOTAL | 32376 | 131296 | 6731 | 93830 | 39107 | 225126 |
| **SOUTH AMERICA** | | | | | | |
| Argentina | 213 | 1586 | 385 | 774 | 598 | 2359 |
| Bolivia | 1 | 170 | 0 | 0 | 1 | 170 |
| Chile | 220 | 1452 | 341 | 3330 | 561 | 4782 |
| Colombia | 425 | 3016 | 750 | 3304 | 1175 | 6320 |
| Ecuador | 5 | 14 | 10 | 211 | 15 | 224 |
| Paraguay | 2 | 6 | 0 | 0 | 2 | 6 |
| Peru | 13 | 845 | 59 | 1609 | 72 | 2454 |
| Uruguay | 21 | 190 | 0 | 0 | 21 | 190 |
| Oth South Am. | 8 | 165 | 4 | 69 | 12 | 234 |
| TOTAL | 1796 | 24789 | 2008 | 27089 | 3804 | 51878 |
| **OCEANIA** | | | | | | |
| New Zealand | 41 | 389 | 16 | 237 | 57 | 626 |
| Oth Oceania | 7 | 160 | 6 | 145 | 13 | 305 |
| TOTAL | 869 | 11703 | 599 | 7475 | 1468 | 19178 |

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 89 - December 89

| | METAL CUTTING | | METAL FORMING | | TOTAL | |
|---|---|---|---|---|---|---|
| | UNITS | $000 | UNITS | $000 | UNITS | $000 |
| ASIA | | | | | | |
| Bangladesh | 0 | 0 | 2 | 1634 | 2 | 1634 |
| Hong Kong | 2619 | 4552 | 468 | 6863 | 3087 | 11415 |
| Iran | 0 | 0 | 6 | 831 | 6 | 831 |
| Iraq | 35 | 2241 | 22 | 1995 | 57 | 4236 |
| Israel | 91 | 1811 | 99 | 4113 | 190 | 5924 |
| Jordan | 2 | 12 | 2 | 60 | 4 | 72 |
| Kuwait | 20 | 127 | 3 | 157 | 23 | 285 |
| Laos | 0 | 0 | 0 | 0 | 0 | 0 |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 0 |
| Macao | 8 | 11 | 0 | 0 | 8 | 11 |
| Oman | 1 | 12 | 0 | 0 | 1 | 12 |
| Pakistan | 16 | 1040 | 36 | 1055 | 52 | 2094 |
| Philippines | 308 | 1479 | 48 | 1316 | 356 | 2795 |
| Qatar | 1 | 3 | 0 | 0 | 1 | 3 |
| Saudi Arabia | 135 | 2105 | 190 | 5208 | 325 | 7313 |
| Sri Lanka | 11 | 17 | 0 | 0 | 11 | 17 |
| Syria | 1 | 4 | 1 | 5 | 2 | 9 |
| United Arab Emr | 27 | 260 | 6 | 150 | 33 | 410 |
| Vietnam | 0 | 0 | 0 | 0 | 0 | 0 |
| Oth Asia | 21 | 87 | 47 | 831 | 68 | 917 |
| TOTAL | 11495 | 146341 | 4294 | 191446 | 15789 | 337787 |
| AFRICA | | | | | | |
| Algeria | 0 | 0 | 0 | 0 | 0 | 0 |
| Botswana | 0 | 0 | 0 | 0 | 0 | 0 |
| Egypt | 22 | 414 | 9 | 369 | 31 | 783 |
| Ethiopia | 8 | 43 | 0 | 0 | 8 | 43 |
| Gabon | 0 | 0 | 0 | 0 | 0 | 0 |
| Ghana | 4 | 123 | 3 | 207 | 7 | 330 |
| Guinea | 0 | 0 | 0 | 0 | 0 | 0 |
| Kenya | 0 | 0 | 0 | 0 | 0 | 0 |
| Malawi | 0 | 0 | 1 | 16 | 1 | 16 |
| Mauritius | 0 | 0 | 0 | 0 | 0 | 0 |
| Morocco | 0 | 0 | 0 | 0 | 0 | 0 |
| Niger | 0 | 0 | 0 | 0 | 0 | 0 |
| Nigeria | 14 | 887 | 3 | 12 | 17 | 898 |
| South Africa | 194 | 1064 | 28 | 8864 | 222 | 9927 |
| Sudan | 10 | 7 | 0 | 0 | 10 | 7 |
| Swaziland | 0 | 0 | 0 | 0 | 0 | 0 |
| Tunisia | 0 | 0 | 1 | 21 | 1 | 21 |
| Zaire | 1 | 2 | 0 | 0 | 1 | 2 |
| Zambia | 0 | 0 | 0 | 0 | 0 | 0 |
| Zimbabwe | 7 | 43 | 2 | 15 | 9 | 58 |
| Oth Africa | 5 | 10 | 3 | 180 | 8 | 190 |
| TOTAL | 265 | 2593 | 50 | 9683 | 315 | 12276 |

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.